ADLINK
LEADING EDGE COMPUTING

Industrial Monitors, Panel PCs, and GPU Solutions

Unleash Real-Time Intelligence at the Edge

ADLINK Industrial Display Solution Catalog

ADLINK Industrial Display Solutions

Full Range, Trusted Panels, Tailored to You.

When you're building HMIs, kiosks, or outdoor displays, you need the right size, compute, and durability—without rework or supply surprises. ADLINK delivers a complete **7"–43"** portfolio of industrial displays and compute platforms for **x86 and ARM**, plus modular function options, so you can choose the best fit, avoid redesigns, and accelerate time-to-market with 24/7 reliability.

We remove the roadblocks. Our strategic partnership with **AUO** secures industrial-grade panels with consistent quality, long-term availability, and faster lead times. With in-house R&D and manufacturing, our display experts tailor systems inside and out—**optical bonding, high brightness, anti-glare/UV, touch tuning, scaler/mainboard & I/O expansion, and mechanical design**. Backed by **Intel® Platinum, NXP Gold**, and **NVIDIA Preferred** partnerships—and as the **first industrial PC vendor to sign with NVIDIA for GPUs**—ADLINK helps you de-risk supply, integrate faster, and lower total cost of ownership.

AUO · intel partner Titanium · NXP Gold Partner · NVIDIA PREFERRED PARTNER

ADLINK LEADING EDGE COMPUTING

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Industrial Touch Monitors

Reliable Clarity. Industrial Strength.
Tailored to Your Vision.

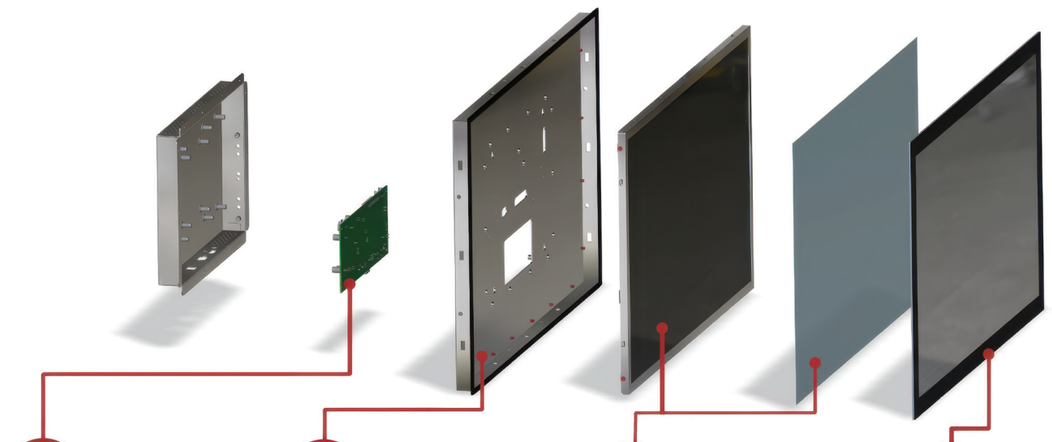
ADLINK's OM & IM series industrial touch monitors deliver long-lasting performance and rugged durability for harsh environments. Powered by high-quality AUO panels, they provide excellent visibility, wide viewing angles, and glove-friendly projected capacitive touch, with sizes ranging from 7" to 43". Built for 24/7 operation, these displays feature front IP65 protection, robust mechanics, and long-life components.

Fully customizable through our in-house R&D and manufacturing—from optical bonding to high brightness, anti-glare, UV protection, and mechanical tweaks—they offer a reliable, versatile HMI solution for smart factories, public kiosks, energy systems, and transportation infrastructure.

Open Frame (OM Series)

Standalone (IM Series)

Industrial Display Solutions



Scaler & Firmware
- Scaler board design
- Dedicated Firmware for Automation, Gaming, Medical DICOM
- Network Diagnostic
- Data Collection Functions

Mechanical Design
- Aluminum, Steel, Stainless Chassis
- Open, Closed Frame, Flat Designs
- Optional IP65/IP69 Solutions
- Panel, VESA Mount Design

Optical Enhancements
- High Brightness Treatment
- Backlight Thermal Design
- Optical Bonding (Direct/ Air)
- Privacy, UV Filters Laminating

Touch Solutions
- All Touch Technologies
- Decal Printing
- Vandal Proof, Anti-Fingers Coating
- Multi-Touch, Gesture Control

Use Cases

More Available at ADLINK.com

Automated Machinery
Location: APAC

1. Various sizes (10.1"-43" OM series)
2. Easy for system integration
3. Touch sensitivity adjustment
4. Product stability and longevity

Factory Automation

Self-Service Kiosk
Location: EMEA

Project Requirements
1. System integration (18.5" OM series)
2. Customized voltage input 9-36V
3. Extended backlight lifetime
4. Environmental durability

Waste Management and Recycling

Nursing Information Display
Location: EMEA

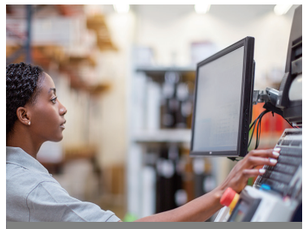
Project Requirements
1. Specified chassis color (21.5" IM series)
2. High Brightness display (1,000 nits)
3. Multi-touch, Glove touch available
4. Extension voltage from 12-24V

Healthcare

Manufacturing

Machine Contro

Product Status Monitoring


Paperless SOPs

Healthcare

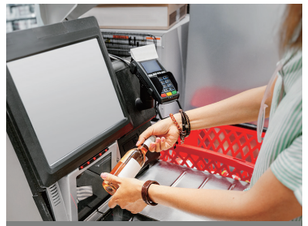
Medical Devices

Laboratory Analyzers

Pharmacy Systems

Retail

Vending Machines


Self-Checkout Kosks

Intelligent Digital Signage

Transportation

Automated Ticket Machines

Information Signage

Self-Pickup Kiosks

Industrial Touch Monitors (Open Frame)

Fullscreen Models

AUO Display+

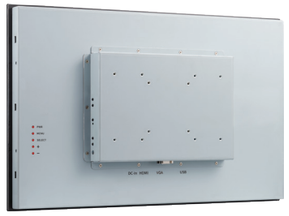
Model Name	OM-070	OM-121	OM-150	OM-170	OM-190
Display					
Size	7”	12.1”	15”	17”	19”
Resolution (Max.)	800 x 480	1024 x 768		1280 x 1024	
Aspect Ratio	5:3	4:3		5:4	
Color	16.7M				
Brightness (Nits)	400 nits			300 nits	
Backlight Life (Hrs)	50,000				
Viewing Angle (U/D/R/L)	89/89/89/89	70/70/80/80	70/80/80/80	80/80/85/85	
Contrast Ratio	1300:1	700:1	800:1	1000:1	
Touchscreen	10-point, PCAP, Anti-fingerprint coating				
Bonding	Air Bonding				
I/O					
USB Port	USB type B (for touch)				
Video	HDMI x1, VGAx1				
Audio	w/o Audio				
Environmental					
Operating Temperature	-20°C to 70°C		0°C to 60°C	0°C to 50°C	-20°C to 60°C
Storage Temperature	-20°C to 70°C		-10°C to 60°C	-20°C to 60°C	-20°C to 70°C
Humidity	10% to 80% @ 40°C (non-condensing				
Surface Hardness	7H				
Vibration	Operating: 1G random 5 to 500Hz				
Shock	Operating: 20G acceleration part to part, 11ms				
IP Rating	Front IP65				
Certifications & Compliance	CE/FCC				
Power Input	DC-12V 5A Max.				
Power Consumption	3.7W	7.4W	8.1W	16W	
Mechanical					
Net Weight/ Gross Weight	0.9 kg / 1.4 kg	2.02 kg / 2.52 kg	2.8 kg / 3.3 kg	3.5 kg / 4.0 kg	4.2 kg / 4.7 kg
Packing Dimension (H x W x D mm)	375 x 180 x 243	415 x 180 x 383	465 x 180 x 418	555 x 180 x 508	
Mounting	Panel mount only	VESA Mount (MIS-D 75mm x 75mm,100mm x 100mm) Panel, and Wall mount			

*For further customization, please contact our EV-IDS PM team.

Industrial Touch Monitors (Open Frame)

Widescreen Models

AUO Display+



Model Name	OM-101	OM-156	OM-185	OM-215 / 215H	OM-238	OM-270
Display						
Size	10.1”	15.6”	18.5”	21.5”	23.8”	27”
Resolution (Max.)	1280 x 800	1920 x 1080				
Aspect Ratio	16:10	16:9				
Color	16.7M					
Brightness (Nits)	400 nits		300 nits	400 / 1200 (H) nits	200 nits	240 nits
Backlight Life (Hrs)	50,000			30,000 / 50,000 (215H)		40,000
Viewing Angle (U/D/R/L)	89/89/89/89				85/85/85/85	
Contrast Ratio	800:1	1000:1			3000:1	
Touchscreen	10-point, PCAP, Anti-fingerprint coating					
Bonding	Air bonding					
I/O						
USB Port	USB type B (for touch)					
Video	HDMI x1, VGA x1					
Audio	w/o Audio					
Environmental						
Operating Temperature	-10°C to 60°C		0°C to 70°C	0°C to 60°C	0°C to 50°C	
Storage Temperature	-20°C to 70°C			20°C to 60°C		
Humidity	10% to 80% @ 40°C (non-condensing)					
Surface Hardness	7H					
Vibration	Operating: 1G random 5 to 500Hz					
Shock	Operating: 20G acceleration part to part, 11ms					
IP Rating	Front IP65					
Certifications & Compliance	CE/FCC					
Power Input	DC-12V 5A Max.					
Power Consumption	5.7 W	13.9 W	20 W	25.4 W	17.5 W	23.8 W
Mechanical						
Net Weight/ Gross Weight	1.6 kg / 2.1 kg	2.9 kg / 3.6 kg	4.2 kg / 5.2 kg	4.8 kg / 6.0 kg	6.2 kg / 7.5 kg	7.5 kg / 8.9 kg
Packing Dimension (H x W x D mm)	344 x 410 x 168	430 x 610 x 165	430 x 610 x 165	430 x 610 x 165	490 x 695 x 170	540 x 780 x 177
Mounting	VESA Mount (MIS-D 75mm x 75mm,100mm x 100mm) Panel, and Wall mount					

*For further customization, please contact our EV-IDS PM team.

Industrial Touch Monitors (Open Frame)

Widescreen Models

AUO Display+

Model Name	OM-320SHV	OM-430SV
Display		
Size	32”	43”
Resolution (Max.)	1920 x 1080	3840 x 2160
Aspect Ratio	16:9	
Color	16.7M	
Brightness (Nits)	800 nits	500 nits
Backlight Life (Hrs)	50,000	
Viewing Angle (U/D/R/L)	89/89/89/89	
Contrast Ratio	1200:1	
Touchscreen	10-point, PCAP, Anti-fingerprint coating	
Bonding	Air bonding	
I/O		
USB Port	USB type B (for touch)	
Video	HDMI x1, VGA x1	HDMI 2.0 x2, DP 1.4 x1
Audio	w/o Audio	
Environmental		
Operating Temperature	-10°C to 60°C	0°C to 50°C
Storage Temperature	-20°C to 70°C	-20°C to 60°C
Humidity	10% to 80% (non-condensing)	
Surface Hardness	6H	
Vibration	Operating: 1G random 5 to 500Hz	Non-operation Random Vibration 10 - 200 Hz, 1.5 G, 30 Minutes each Axis (X, Y, Z)
Shock	Operating: 20G acceleration part to part, 11ms	N/A
IP Rating	Front IP65	N/A
Certifications & Compliance	CE/FCC, ESD (Class A, Contact ±4KV, Air ±8KV)	
Power Input	DC-24V 5A Max.	
Power Consumption	40.1W	65.4W
Mechanica		
Net Weight/ Gross Weight	11.8 kg / 13.9 kg	22 kg / 24.2 kg
Packing Dimension (H x W x D mm)	951 x 659 x 185	1200 x 821 x 214
Mounting	VESA Mount (200mm x 200mm, M6) M4 Rear mount x 12	VESA Mount (200mm x 200mm, M6) M4 Rear mount x 8

*For further customization, please contact our EV-IDS PM team.

Industrial Touch Monitors (Standalone)

Fullscreen Models

AUO Display+

Model Name	IM-150	IM-170	IM-190
Display			
Size	15″	17″	19″
Resolution (Max.)	1024 x 768	1280 x 1024	
Aspect Ratio	4:3	5:4	
Color	16.7M		
Brightness (Nits)	400 nits	300 nits	
Backlight Life (Hrs)	50,000		
Viewing Angle (U/D/R/L)	70/80/80/80	80/80/85/85	
Contrast Ratio	800:1	1000:1	
Touchscreen	10-point, PCAP, Anti-fingerprint coating		
Bonding	Air bonding		
I/O			
USB Port	USB type B (for touch)		
Video	HDMI x1, VGA x1		
Audio	w/o Audio		
Environmental			
Operating Temperature	0°C to 60°C	0°C to 50°C	-20°C to 60°C
Storage Temperature	-10°C to 60°C	-20°C to 60°C	-20°C to 70°C
Humidity	10% to 80% @ 40°C (non-condensing)		
Surface Hardness	7H		
Vibration	Operating: 1G random 5 to 500Hz		
Shock	Operating: 20G acceleration part to part, 11ms		
IP Rating	Front IP65		
Certifications & Compliance	CE/FCC		
Power Input	DC-12V 5A Max.		
Power Consumption	8.1W	10.6W	11.6W
Mechanical			
Net Weight/ Gross Weight	3.3 kg / 4.2 kg	4.3 kg / 5.4 kg	5.1 kg / 6.2 kg
Packing Dimension (H x W x D mm)	405 x 180 x 462	495 x 180 x 550	495 x 180 x 550
Mounting	VESA Mount, MIS-D 75mm x 75mm, 100mm x 100mm (Standard)		

*For further customization, please contact our EV-IDS PM team.

Industrial Touch Monitors (Standalone)

Widescreen Models

AUO Display+

Model Name	IM-215	IM-238	IM-270
Display			
Size	21.5″	23.8″	27″
Resolution (Max.)	1920 x 1080		
Aspect Ratio	16:9		
Color	16.7M		
Brightness (Nits)	400 nits	200 nits	240 nits
Backlight Life (Hrs)	30,000		40,000
Viewing Angle (U/D/R/L)	89/89/89/89	85/85/85/85	
Contrast Ratio	1000:1	3000:1	
Touchscreen	10-point, PCAP, Anti-fingerprint coating		
Bonding	Air bonding		
I/O			
USB Port	USB type B (for touch)		
Video	HDMI x1, VGA x1		
Audio	w/o Audio		
Environmental			
Operating Temperature	-10°C to 60°C	0°C to 50°C	
Storage Temperature	-20°C to 60°C		
Humidity	10% to 80% @ 40°C (non-condensing)		
Surface Hardness	7H		
Vibration	Operating: 1G random 5 to 500Hz		
Shock	Operating: 20G acceleration part to part, 11ms		
IP Rating	Front IP65		
Certifications & Compliance	CE/FCC/BSMI	CE/FCC	
Power Input	DC-12V 5A Max.		
Power Consumption	25.7W	16.3W	23.8W
Mechanical			
Net Weight/ Gross Weight	5.0 kg / 6.2 kg	6.3kg / 6.9kg	8.26kg / 8.86kg
Packing Dimension (H x W x D mm)	620 × 176 × 440	700 x 170 x 493	775 x 538 x 180
Mounting	VESA Mount, MIS-D 75mm x 75mm, 100mm x 100mm (Standard)		

*For further customization, please contact our EV-IDS PM team.

Industrial Touch Monitors (Standalone)

Widescreen Models

AUO Display+

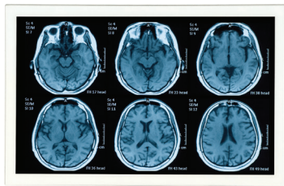
Model Name	IM-320	IM-430
Display		
Size	32”	43”
Resolution (Max.)	1920 x 1080	
Aspect Ratio	16:9	
Color	16.7M	
Brightness (Nits)	400 nits	
Backlight Life (Hrs)	50,000	
Viewing Angle (U/D/R/L)	89/89/89/89	
Contrast Ratio	4000:1	
Touchscreen	10-point, PCAP, Anti-fingerprint coating	
Bonding	Air bonding	
I/O		
USB Port	USB type B (for touch)	
Video	HDMI x1, VGA x1, DVI x1, DP 1.2 x1	
Audio	w/o Audio	
Environmental		
Operating Temperature	0°C to 40°C	
Storage Temperature	-20°C to 60°C	
Humidity	10% to 90% (non-condensing)	
Surface Hardness	6H	
Vibration	Operating: 1.5G random 10 to 200Hz	
Shock	NA	
IP Rating	Front IP65	
Certifications & Compliance	CE/FCC	
Power Input	DC-24V 5A Max.	
Power Consumption	38.4 W	50.4 W
Mechanical		
Net Weight/ Gross Weight	14.3 kg / 15.1 kg	26 kg / 26.9 kg
Packing Dimension (H x W x D mm)	951 x 185 x 659	1200 x 214 x 821
Mounting	VESA Mount 200 x 200 mm (M6), M4 Rear mount x 12	VESA Mount 200 x 200 mm (M6), M4 Rear mount x 8

*For further customization, please contact our EV-IDS PM team.

Industrial Touch Monitors (Standalone)

Value-Added Models

AUO Display+



Model Name	IM-215H (High Brightness)	IM-215D (DICOM-Standard)
Display		
Size	21.5”	
Resolution (Max.)	1920 x 1080	
Aspect Ratio	16:9	
Color	16.7M	
Brightness (Nits)	1200 nits	400 nits
Backlight Life (Hrs)	50,000	
Viewing Angle (U/D/R/L)	89/89/89/89	
Contrast Ratio	3000:1	1000:1
Touchscreen	10-point, PCAP, Anti-fingerprint coating	
Bonding	Air bonding	
I/O		
USB Port	USB type B (for touch)	
Video	HDMI x1, VGA x1	
Audio	w/o Audio	
Environmental		
Operating Temperature	-20°C to 60°C	0°C to 50°C
Storage Temperature	-20°C to 60°C	-10°C to 50°C
Humidity	10% to 80% @ 40°C (non-condensing)	
Surface Hardness	7H	3H
Vibration	Operating: 1G random 5 to 500Hz	
Shock	Operating: 20G acceleration part to part, 11ms	
IP Rating	Front IP65	
Certifications & Compliance	CE/FCC	
Power Input	DC-12V 5A Max.	
Power Consumption	41.2 W	25.4 W
Mechanical		
Net Weight/ Gross Weight	5.4 kg /5.9 kg	
Packing Dimension (H x W x D mm)	620 × 176 × 440	
Mounting	VESA Mount, MIS-D 75mm x 75mm, 100mm x 100mm (Standard)	

*For further customization, please contact our EV-IDS PM team.

Open Frame Panel PCs

The Flexibility You Need.
The Reliability You Expect.

The SP2 Series open frame panel PCs are engineered for industrial flexibility, supporting both x86 and ARM platforms to meet a wide range of computing needs—from entry-level control to advanced AI processing. With a slim, fanless design, wide operating temperature, power input support, and vibration-resistant construction, the SP2 Series is ideal for deployment in smart factories, EV charging stations, self-service kiosks, and transportation systems.

Leveraging ADLINK's in-house R&D and manufacturing, the SP2 Series enables full customization—from I/O and mechanical adaptations to function module (FM) integration for expanded connectivity, sensing, or control. Pre-certified for CE, FCC, EMC, and other industrial standards, it helps customers reduce certification lead time and ensures long-term reliability in mission-critical environments.

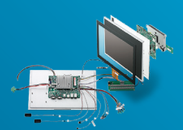
Accelerate Integration with Flexibility

Dual Architecture Support
Supports both x86 & ARM platforms to meet diverse application needs

Scalable Performance
From entry level to AI computing, tailored for your workload

Modular Expansion
Patented Function Module (FM) for feature customization

Industrial-Grade Design
Fanless, vibration-resistant, and wide temperature support for harsh environments



Ultra Flexibility
Flexible mechanical and reserved signals from I/O layout to mounting—to fit any system

Pre-Certified Compliance
Complies with CE, FCC, EMC, and more, reducing certification effort and time

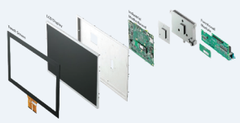
Global Tecnical Support
Industrial expertise. Global support. Delivered fast.

Use Cases

AI-Powered Vision Inspection
Location: APAC

Project Requirements
1. edge AI computing as HMI (SP2-IMX8, 10.1")
2. NPU 2.3 TOPS ready for entry AI application
3. Customized mechanical design
4. Superior I/O expansions

Factory Automation



Self-Service Kiosk
Location: USA

Project Requirements
1. SP2-21WP-EHL-J6412 (21.5")
2. Smooth screen touch for user experience
3. Customized sled bracket for Wi-Fi and LTE
4. Customized COM port cable x2

Smart Retail

Medical Cart
Location: EMEA

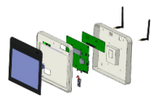
Project Requirements
1. SP2-TGL Panel PC + off-the-shelf mainboard
2. Customized plastic housing design
3. Customized Function Module (FM)
4. Comprehensive Technical Support

Healthcare

Selection Guide

STEP 1. Intended Use

Style

General Purpose		Ruggedness	Unique
Open Frame	All-in-One	IP69K	ODM
			
SP2 Series	STC2 Series	Titan2 Series	Customization

STEP 2. Computing Levels

CPU

intel x86 Platform		NXP ARM Platform
Intel Core Ultra Series	**Intel Atom Series**	**NXP i.MX Series**
1. Meteor Lake 2. Tiger Lake 3. Kaby Lake	1. Twin Lake 2. Elkhart Lake	1. NXP i.MX 93 (Planned) 2. NXP i.MX 8M Plus

*For full specifications, please visit ADLINK.com.

STEP 3. Functionality

Feature

High Brightness	Touch Sensitivity	Function Modules	Wireless Conntection
M.2 PCIe Slots	I/O Expansions	Reserved Signals	And More...

*For value-added service, please contact us.

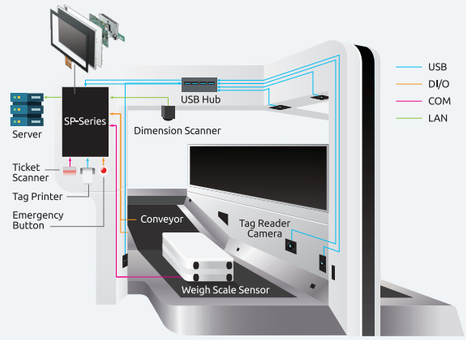
Example Projects

Self Baggage-Drop Service

Solution Features

▶ **SP2-EHL mainboard + Customized display**

Customization focus:
Open-frame mechanics, front IP65, optical bonding + AG for bright halls, vertical I/O layout, Function Module (FM) for extra ports.



Interactive KIOSK

Solution Features

▶ **Best fit: SP2-EHL/TWL**
▶ **Advanced: SP2-TGL/MTL**

Customization focus:
Payment/NFC/scan modules, quick service access, wireless (Wi-Fi/4G/5G)

Figure 3. ADLINK's Smart Panel provides a high level of modularization to help fulfil different kiosk functionalities.

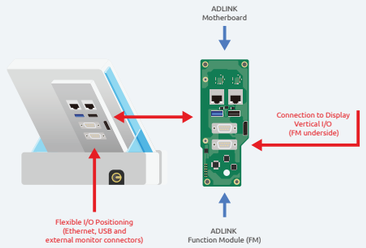
Blood Analyzer

Solution Features

▶ **SP2-AL mainboard**

Customization focus:
Vertical I/O, lockable/waterproof connectors, EMC tuning; optional 60601-1-2–ready design practices.

Point-of-Care Blood Analyzer



ADLINK Components in Blood Analyzer

Open Frame Panel PC
(SP2-MTL Series)

Model Name	SP2-10WP-MTL	SP2-15WP-MTL	SP2-21WP-MTL
System			
Processor	Intel® Core™ Ultra H series, 125H, 4.50GHz (Meteor Lake)		
Memory	2x SODIMM socket, DDR5 5600MHz , up to 64GB		
Storage	1x M.2 SATA M key 2280, support SATA SSD or NVME (PCIe x4), 1x 2.5" SSD/HDD SATA 6 Gbps port (Optional)		
Display			
Size	10.1"	15.6"	21.5"
Resolution (Max.)	1280 x 800	1920 x 1080	
Contrast Ratio	800:1	1000:1	
Brightness (Nits)	400		
Backlight Life (Hrs)	50,000		
Viewing Angle (U/D/R/L)	89/89/89/89		
Touchscreen	10-point, PCAP (Projected Capacitive Touch)		
Surface Treatment	Anti-Fingerprint		
Surface Hardness	7H		
External I/O			
Ethernet	2x GbE (Intel® I226), RJ-45, WOL (optional TSN support) PoE, share with LAN2		
USB Port	4x USB 3.2, Gen 2 (10 Gbps), OCP, Type A 1x Thunderbolt 4.0 (optional)		
DisplayPort	1x DisplayPort, DP++, supports DP 1.4, up to 5120x3200@60Hz 24bpp 1x MiniDisplayPort, DP++, supports DP 1.4, up to 5120x3200@60Hz 24bpp (optional)		
Internal I/O			
USB	1x wafer USB 2.0 client		
COM	2x wafers RS-232/422/485 programmable, auto flow		
I2C	2x wafers for I2C client		
Audio	1x wafer for buzzer 1x wafer for 2x stereo speaker (2 watts) (optional) 1x wafer for Mic-in and Line-out (optional)		
LED	1x wafer for LED notification and load reset button (optional)		
Expansion	1x full size mPCIe slot 1x M.2 2230 E key for wireless (Wi-Fi/Bluetooth) 1x PCIE Gen4 x8 slot on edge of PCB (optional)		
Keys wafer	1x for 32 physical keys (optional) 1x LCD backlight up/down and volume up/down (optional)		
GPIO	1x wafer 8-pin GPIO		
SPI	1x wafer for SPI		
Buttons (wire to buttons)	1 wafer for Power/Reset		
Fans	1x wafer for system fan (optional) 1x wafer for PCIe x8 fan (optional)		

Model Name	SP2-10WP-MTL	SP2-15WP-MTL	SP2-21WP-MTL
Power			
Power Input	AT/ATX (Default: AT mode) 12V ±5% / 9-36V, both with OVP/UVP protection		
Power Connector	1x 6-pin power connector		
Power/Fail Reset	1x wafer, support system reset & power button and power LED		
Backup Battery	1x wafer for UPS kit to backup data when AC shuts down (optional) 1x SMBus (optional)		
Environmental			
Operating Temperature	0°C to 55°C		
Storage Temperature	-20°C to 70°C (10.1"/15.6") -20°C to 60°C (21.5")		
Humidity	Up to 95%		
Vibration	10 ~ 500 Hz, 1.87G for X, Y (IEC 60068-2-64) 5 ~ 500 Hz, 1 G for Z OP 1 Grms, 5-500Hz w/ SSD ISO 7637-2		
Shock	OP 30G peak acceleration, 11 ms for board OP 20G peak acceleration, 11 ms for system		
IP Rating	Front IP65		
ESD	Air: ±15kV, Contact: ±8kV		
Certifications & Compliance	CE, FCC Class B (with PoE, Class A) EN 55032 (EMI) IEC/EN 61000-3-2 (EMI) IEC/EN 61000-3-3 (EMI) EN 55024 (EMS) EN 61000-6-4 (EMI) EN 61000-6-2 (EMS) EN 50155 (Railway application, EMC + Reliability) IEC 60601-1-2:2014/EN 60601-1-2:2015 (MOOP only) UNECE R10 EN 62368-1:2014 + A11:2017		
Software			
WDT	Watch Dog Timer supported		
Operating System	Windows® 11/10		
Mechanical			
Construction	SGCC		
Dimension (W x L x D)	249.66 x 168.3 x 64.4 ± 2 mm	383.15 x 232.79 x 65.1 ± 2 mm	517.46 x 309.19 x 67.6 ± 2 mm
Weight	2.3 ± 0.5 kg	4 ± 0.5 kg	6.1 ± 0.5 kg
Mounting	1) Panel mounting 2) VESA mounting, support by a rear cover		

*For further customization, please contact our EV-IDS PM team.
*For full specifications, please refer to the datasheet on ADLINK.com.

Open Frame Panel PC

(SP2-TGL Series)

Model Name	SP2-10WP-TGL	SP2-15WP-TGL	SP2-21WP-TGL
System			
Processor	11th Gen Intel® Processors - (Tiger Lake UP3) Intel® Core™ i7-1185G7E, i5-1145G7E, i3-1115G4E, Intel® Core™ i7-1185GRE, i5-1145GRE, i3-1115GRE, Intel® Celeron® 6305E		
Memory	2x SODIMM non-ECC 2400/3200 MHz DDR4 memory up to 64GB		
Storage	1x M.2 SATA 6 Gbps port, M key 2280 and 1x 2.5" SSD/HDD SATA 6 Gbps port (Optional)		
Display			
Size	10.1"	15.6"	21.5"
Resolution (Max.)	1280 x 800	1920 x 1080	
Contrast Ratio	800:1	1000:1	
Brightness (Nits)	400	420	400
Backlight Life (Hrs)	50,000		
Viewing Angle (U/D/R/L)	89/89/89/89		
Touchscreen	10-point, PCAP (Projected Capacitive Touch)		
Surface Treatment	Anti-Fingerprint		
Surface Hardness	7H		
External I/O			
Ethernet	2x GbE (Intel® I225), RJ-45, WOL, Up to 2.5 Gb/s		
Serial Port	1x RS-232/422/485 programmable, auto flow		
USB Port	1x USB 2.0, Type A, OCP, 1000mA 1x USB 3.2, 5 Gbps, Type A, OCP, 1600mA 2x USB 3.2, gen 2, 10 Gbps, Type A, OCP, 1600mA		
DisplayPort	1x DP, DP++, resolutions up to 5120x3200@60Hz 1x MiniDP, DP++, resolutions up to 5120x3200@60Hz		
Internal I/O			
USB	1x USB 2.0 client		
I2C	2x for I2C client		
Audio	1x for 2x stereo speaker (2 watt) 1x Mic-in and Line-out 1x buzzer		
Keys	1x for 32 physical keys (BOM optional), 1x supports LCD backlight up/down and volume up/down (BOM optional)		
COM	1x RS-232/422/485 programmable, auto flow		
GPIO	1x supports 8-pin GPI/O		
PCIe Slot	1x PCIe Gen 4 x4 (Optional)		
M.2	1x A/E key 2230 (Wi-Fi/BT) 1x B key 3042 (4G/5G)		
SIM	1x SIM slot for 4G/5G communication		

Model Name	SP2-10WP-TGL	SP2-15WP-TGL	SP2-21WP-TGL
Power			
Power Input	AT/ATX (Default: AT mode) 12V ±5% / 9-36V, both with OVP/UVP protection		
Power Connector	1x 6-pin power connector		
Power/Fail Reset	1x wafer, support system reset & power button and power LED		
Backup Battery	1x wafer for UPS kit to backup data when AC shuts down (Optional)		
Environmental			
Operating Temperature	0°C to 60°C (Default) -20°C to 60°C (By Request)		0°C to 60°C
Storage Temperature	-20°C to 70°C		20°C to 60°C
Humidity	10% to 95%		
Vibration	OP 1 Grms, 5-500Hz w/ SSD, (IEC60068-2-64) X, Y, Z axes, 60 min/axis		
Shock	OP 20G peak acceleration, 11 ms (IEC60068-2-64) ±X, ±Y, ±Z, 3 shocks/asix		
IP Rating	Front IP65		
ESD	Air: ±15kV, Contact: ±8kV		
Certifications & Compliance	EMI: IEC/EN 61000-3-2, IEC/EN 61000-3-3, EN 61000-6-4, EN 55032 EMS: EN 55035, EN 61000-6-2 EMC: CE, FCC Class B, IEC 60601-1-2:2014/EN60601-1-2:2015, UNECE R10, EN 50121-3-2 Safety: Compliant with 60601-1/61010-1/62368-1 *SP2-TGL has passed pre-compliance testing of EMI, EMS, EMC, and Safety.		
Software			
WDT	Watch Dog Timer supported		
WDT	Windows® 10 IoT Enterprise x64 bit, Linux Ubuntu 22.04		
Mechanical			
Construction	SGCC		
Dimension (W x L x D)	249.66 x 168.3 x 64.4 ± 2 mm	383.15 x 232.79 x 65.1 ± 2 mm	517.46 x 309.19 x 67.6 ± 2 mm
Weight	2.06 ± 0.2kg	3.02 ± 0.2kg	4.85 ± 0.2kg
Mounting	1) Panel mounting 2) VESA mounting, support by a rear cover		

*For further customization, please contact our EV-IDS PM team.
*For full specifications, please refer to the datasheet on ADLINK.com.

Open Frame Panel PC

(SP2-TWL Series)

intel partner Titanium

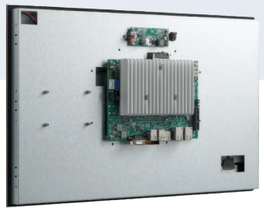
Model Name	SP2-10WP-TWL	SP2-15WP-TWL	SP2-21WP-TWL
System			
Processor	Intel® Processor N150, 3.9GHz Intel® Core™ 3 Processor N355, 3.9GHz		
Memory	1x SODIMM socket, DDR5 5600MHz , up to 32GB		
Storage	1x M.2 SATA M key 2280 SATA SSD + 1x M.2 Bkey 2242 SATA SSD or 1x M.2 SATA M key 2280 NVME (PCIe x2)		
Display			
Size	10.1"	15.6"	21.5"
Resolution (Max.)	1280 x 800	1920 x 1080	
Contrast Ratio	800:1	1000:1	
Brightness (Nits)	400		
Backlight Life (Hrs)	50,000		
Viewing Angle (U/D/R/L)	89/89/89/89		
Touchscreen	10-point, PCAP (Projected Capacitive Touch)		
Surface Treatment	Anti-Fingerprint		
Surface Hardness	7H		
External I/O			
Ethernet	2x GbE (Intel® I226), RJ-45, WOL (optional TSN support) PoE, share with LAN2		
USB Port	2x USB 3.2, Gen 1 (5 Gbps), OCP, Type A 2x USB 2.0, OCP, Type A 1x USB 3.2 Gen 1, Type C (optional)		
DisplayPort	1x DisplayPort, DisplayPort++, up to 4096x2304@60Hz 1x USB Type C, up to 4096x2304@60Hz (optional)		
Internal I/O			
USB	1x wafer USB 2.0 client		
COM	2x wafers RS-232/422/485 programmable, auto flow		
MIPI-CSI	1x connector to suppor MIPI-CSI 1.8V/3.3V/5V support 1x4 lane or 2x2 lane camera		
I2C	2x wafers for I2C client		
Audio	1x wafer for buzzer 1x wafer for 2x stereo speaker (2 watts) (optional) 1x wafer for Mic-in and Line-out (optional)		
LED	1x wafer for LED notification and load reset button (optional)		
Expansion	1x M.2 2230 E key for wireless (Wi-Fi/Bluetooth) 1x M.2 3042 B key for LTE or SSD		
Keys wafer	1x for 32 physical keys (TBDl) 1x LCD backlight up/down and volume up/down		
GPIO	1x wafer 8-pin GPIO		
SPI	1x wafer for SPI		
Buttons	1 wafer for Power/Reset		
Fans	1x wafer for system fan		
CAN Bus	1 wafer for CAN Bus		
Power			
Power Input	AT/ATX (Default: AT mode) 12V ±5% / 9-36V, both with OVP/UVP protection		
Power Connector	1x 6-pin power connector		
Power/Fail Reset	1x wafer, support system reset & power button and power LED		

Model Name	SP2-10WP-TWL	SP2-15WP-TWL	SP2-21WP-TWL
Environmental			
Operating Temperature	0°C to 60°C		0°C to 55°C
Storage Temperature	-20°C to 70°C		-20°C to 60°C
Humidity	Up to 95%		
Vibration	5 ~ 500 Hz, 1 Grms for X,Y,Z axes		
Shock	Half sine, 20G, 11ms Refer to IEC 60068-2-27		
IP Rating	Front side IP65		
ESD	Air: ±15kV, Contact: ±8kV, screwing grounding		
Certifications & Compliance	CE, FCC Class B (with PoE, Class A) EN 55032:2015 + A11:2020 (EMI) IEC/EN 61000-3-2:2019+A1:2021 (EMI) IEC/EN 61000-3-3:2013+A2:2021 (EMI) EN 55035:2017 + A11:2020 (EMS) EN 61000-6-4:2019 (EMI) EN 61000-6-2:2019 (EMS) EN 50155 (Railway application, EMC + Reliability) IEC 60601-1-2:2014 + A1:2020 /EN 60601-1-2:2015 + A1:2021 (MOOP only) UNECE R10.		
Software			
WDT	Watch Dog Timer supported		
Operating System	Windows® 11/10, Linux		
Mechanical			
Construction	SGCC		
Dimension (W x L x D)	249.66 x 168.3 x 64.4 ± 2 mm	383.15 x 232.79 x 65.1 ± 2 mm	517.46 x 309.19 x 67.6 ± 2 mm
Weight	2.06 ± 0.2 kg	3.02 ± 0.2 kg	4.85 ± 0.2 kg
Mounting	1) Panel Mounting 2) VESA mounting, support by a rear cover		

*For further customization, please contact our EV-IDS PM team.
*For full specifications, please refer to the datasheet on ADLINK.com.

Open Frame Panel PC

(SP2-KL Series)



Model Name	SP2-10WP-KL	SP2-15WP-KL	SP2-21WP-KL
System			
Processor	Intel® Core™ i7-7600U, i5-7300U, i3-7100U		
Memory	1x SODIMM socket, DDR3L 1600MHz (Up to 8GB)		
Storage	1x M.2 SATA 6 Gbps port, M key 2280 and 1x 2.5" SSD/HDD SATA 6 Gbps port (Optional)		
Display			
Size	10.1"	15.6"	21.5"
Resolution (Max.)	1280 x 800	1920 x 1080	
Contrast Ratio	800:1	1000:1	
Brightness (Nits)	400	420	400
Backlight Life (Hrs)	50,000		
Viewing Angle (U/D/R/L)	89/89/89/89		
Touchscreen	10-point, PCAP (Projected Capacitive Touch)		
Surface Treatment	Anti-Fingerprint		
Surface Hardness	7H		
External I/O			
Ethernet	2x GbE (Intel® I225), RJ-45, WOL, Up to 2.5 Gb/s		
Serial Port	2x RS-232/422/485 programmable, auto flow		
USB Port	1x USB 2.0, Type A, OCP 1x USB 3.0, Type A, OCP		
DisplayPort	1x DP, DP++, up to 4096x2304@60Hz 1x MiniDP, DP++, up to 4096x2304@60Hz		
Internal I/O			
USB	2x USB 2.0 client		
I2C	2x for I2C client		
Audio	1x for 2x stereo speaker (2 watt) 1x Mic-in and Line-out 1x buzzer		
Keys	1x for 32 physical keys (BOM optional), 1x supports LCD backlight up/down and volume up/down (BOM optional)		
COM	2x RS-232/422/485 programmable, auto flow		
GPIO	1x supports 8-pin GPI/O		
PCIe Slot	1x PCIe Gen3 x4 (Optional)		
mPCIe	1x mPCIe slot (Wi-Fi/BT/4G)		
SIM	1x SIM slot for 4G/5G communication		
Power			
Power Input	AT/ATX (Default: AT mode) 12V ±5% / 9-36V, both with OVP/UVP protection		
Power Connector	1x 4-pin power connector		
Power/Fail Reset	1x wafer, support system reset & power button and power LED		
Backup Battery	1x wafer for UPS kit to backup data when AC shuts down (Optional)		

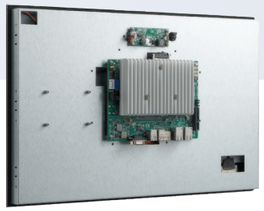
Model Name	SP2-10WP-KL	SP2-15WP-KL	SP2-21WP-KL
Environmental			
Operating Temperature	-20°C to 60°C		0°C to 60°C
Storage Temperature	-20°C to 70°C		-20°C to 60°C
Humidity	10% to 95%		
Vibration	OP 1 Grms, 5-500Hz w/ SSD, (IEC60068-2-64), X, Y, Z axes, 60 min/axis		
Shock	OP 20G peak acceleration, 11 ms (IEC60068-2-64), ±X, ±Y, ±Z, 3 shocks/asix		
IP Rating	Front IP65		
ESD	Air: ±15kV, Contact: ±8kV		
Certifications & Compliance	EMI: IEC/EN 61000-3-2, IEC/EN 61000-3-3, EN 61000-6-4, EN 55032 EMS: EN 55035, EN 61000-6-2, EMC: CE, FCC Class B, IEC 60601-1-2:2014/EN60601-1-2:2015, UNECE R10, EN 50121-3-2 Safety: Compliant with 60601-1/61010-1/62368-1 *SP-KL has passed pre-compliance testing of EMI, EMS, EMC, and Safety.		
Software			
SEMA	SEMA 4.0		
WDT	Watch Dog Timer support		
Operating System	Windows® 10 IoT Enterprise x64 bit, Linux Ubuntu 20.04 LTS		
Mechanical			
Construction	SGCC		
Dimension (W x L x D)	249.66 x 168.3 x 64.4 ± 2 mm	383.15 x 232.79 x 65.1 ± 2 mm	517.46 x 309.19 x 67.6 ± 2 mm
Weight	2.06 ± 0.2 kg	3.02 ± 0.2 kg	4.85 ± 0.2 kg
Mounting	1) Panel Mounting 2) VESA mounting, support by a rear cover		

*For further customization, please contact our EV-IDS PM team.
*For full specifications, please refer to the datasheet on ADLINK.com.

Open Frame Panel PC

(SP2-EHL Series)

intel partner Titanium



Model Name	SP2-07WP-EHL	SP2-10WP-EHL	SP2-15WP-EHL	SP2-21WP-EHL
System				
Processor	Intel Atom® x6000E series (x6425E, x6413E, x6211E) Intel Atom® J6412 series			
Memory	1x SODIMM socket, DDR4 3200MHz (Up to 32GB)			
Storage	1x M.2 SATA M key 2280, support SATA SSD and NVME (PCIe x2) 1x 2.5" SSD/HDD SATA 6 Gbps port			
Display				
Size	7"	10.1"	15.6"	21.5"
Resolution (Max.)	1024 x 600	1280 x 800	1920 x 1080	
Contrast Ratio	600:1	800:1	1000:1	
Brightness (Nits)	600	400	420	400"
Backlight Life (Hrs)	50,000			
Viewing Angle (U/D/R/L)	85/85/85/85	89/89/89/89"		
Touchscreen	5-point, PCAP	10-point, PCAP (Projected Capacitive Touch)		
Surface Treatment	Clear	Anti-Fingerprint		
Surface Hardness	7H			
External I/O				
Ethernet	2x GbE (Intel® I226), RJ-45, WOL (Default 1Gbps, optional: 2.5Gbps			
Power Over Ethernet	Supports 60W PoE (PD) with external module (optional)			
USB Port	2x USB 3.2, Gen 1 (5 Gbps), OCP, Type A 2x USB 2.0, OCP, Type A 1x USB 3.2 Gen 1, Type C (optional)			
DisplayPort	1x DisplayPort, DisplayPort++, up to 4096x2160@60Hz 1x USB Type C, up to 4096x2160@60Hz (optional)			
Internal I/O				
USB	2x USB 2.0 client, wafer			
I2C	2x for I2C client, wafer			
Audio	1x Stereo speaker (2 watt) 1x Mic-in/line-out 1x buzzer			
Keys	1x for 32 GPIO or physical key (Optional), 1x Supports LCD backlight up/down and volume up/down (BOM optional)			
COM	2x RS-232/422/485 programmable, auto flow (wire to connectors) Default: COM 1, COM 2: BOM optional			
GPIO	1x 8-pin GPI/O			
Expansion	1x M.2 2230 E key for wireless (Wi-Fi/Bluetooth)			
mPCIe	1x full size mPCIe slot			
LED	Supports 10 LEDs			

Model Name	SP2-07WP-EHL	SP2-10WP-EHL	SP2-15WP-EHL	SP2-21WP-EHL
Power				
Power Input	AT/ATX (default: AT mode), 12V ±5% / 9-36V, both with OVP/UVP protection			
Power Connector	1x 6-pin power connector			
Power/Fail Reset	1x Power (with LED), 1x Reset button			
Backup Battery	1x Wafer for UPS kit to backup data when AC shuts down (optional)			
Environmental				
Operating Temperature	-20°C to 60°C (x6000E series), 0°C to 60°C (J6412 series)			0°C to 60°C
Storage Temperature	-20°C to 70°C			-20°C to 60°C
Humidity	Up to 95%			
Vibration	OP 1 Grms, 5-500Hz w/ SSD, (IEC60068-2-64), X, Y, Z axes, 60 min/axis			
Shock	OP 20G peak acceleration, 11 ms (IEC60068-2-64), ±X, ±Y, ±Z, 3 shocks/axis			
IP Rating	Front IP65			
ESD	Air: ±15kV, Contact: ±8kV			
Certifications & Compliance	CE/FCC class B EN 55032:2015 + A11:2020; EN 55035:2017 + A11:2020; BS EN 55032:2015 + A11:2020; BS EN 55035:2017 + A11:2020; AS/NZS CISPR 32:2015 + A1:2020 EN 60601-1-2:2015 + A1:2021; IEC 60601-1-2:2014 + A1:2020 BS EN 60601-1-2:2015 + A1:2021 IEC/EN 61000-3-2, IEC/EN 61000-3-3 EN 61000-6-4, EN 61000-6-2, EN 50121-3-2 IEC/EN 60601-1 IEC/EN 62368-1 2nd			
Software				
WDT	Watchdog timer support			
Operating System	Windows® 11/10 IoT Enterprise x64bit, Ubuntu Linux 22.04 LTS			
Mechanical				
Construction	SGCC			
Dimension (W x L x D)	216 x 160 x 54.54 ± 2 mm	249.66 x 168.3 x 64.4 ± 2 mm	383.56 x 232.99 x 65.1 ± 2 mm	517.46 x 309.19 x 67.6 ± 2 mm
Weight	1.09 ± 0.2 kg	1.5 ± 0.2 kg	2.63 ± 0.2 kg	4.86 ± 0.2 kg
Mounting	1) Panel Mounting 2) VESA mounting, support by a rear cover			

*For further customization, please contact our EV-IDS PM team.
*For full specifications, please refer to the datasheet on ADLINK.com.

Open Frame Panel PC
(SP2-IMX8 Series)

NXP Gold Partner

Model Name	SP2-07WP-IMX8	SP2-10WP-IMX8
System		
Processor	NXP i.MX 8M Plus, ARM A53, 64-Bit, 1.8GHz, 4 Core NXP i.MX 8M Plus, ARM A53, 64-Bit, 1.6GHz, 4 Core	
Memory	2 GB (Default) / 4 GB & 8 GB (Optional)	
Storage	32GB eMMC 5.1	
Display		
Size	7"	10.1"
Resolution (Max.)	1024 x 600	1280 x 800
Contrast Ratio	800:1	
Brightness (Nits)	425	300
Backlight Life (Hrs)	70,000	50,000
Viewing Angle (U/D/R/L)	85/85/85/85	
Touchscreen	5 Points Capacitive touch screen, Glass/Glass, Resistive Touch Screen (optional)	
Surface Treatment	AG	
Surface Hardness	7H	
External I/O		
Ethernet	1x GbE port, RJ45 connector, 1G TSN, support wake on LAN, default 1x GbE port, RJ45 connector, support wake on LAN, optional	
USB	1x USB 3.2 Gen1 (5Gbps), Type A (default) or 1x USB 3.2 Gen1 (5Gbps) and 1x USB 2.0, Type A (optional) 1x USB 2.0 Micro B OTG (default)	
Display	1x HDMI 2.0a, up to 3840x2160p30 for display, 1920x1080p60 for Video (optional)	
Buttons	1x Reset, 1x Function/Recovery, 1x wafer to support power button	
Internal I/O		
Serial Port	1x RS485, with auto flow control (default) 1x RS-232/422/485 programmable, auto flow (optional)	
I2C	2x for I2C client, wafer	
Audio (optional)	1x for 2x stereo speaker (2 watts), 1x Mic-in (Mono) and Line-out (Stereo), 1x buzzer	
CAN	1x CAN Bus, wafer	
M.2	1x 2230 A/E key for WiFi/Bluetooth	
Expansion IO (Optional)	1x USB 3.2 Gen1 (5Gbps), 1x I2C, 1x SPI, 4GPI&4GPO	
Power		
Power Input	12V (default) or 12-24V (optional)	
Power Connector	1x 2.5 Φ DC Jack (default) or 4-pin power connector (optional)	
Backup Battery	1x RTC battery	

Model Name	SP2-07WP-IMX8	SP2-10WP-IMX8
Environmental		
Operating Temperature	0°C ~ 60°C / -20°C ~ 60°C	
Storage Temperature	-20°C ~ 70°C	
Humidity	40°C, 95%	
Vibration	OP 1 Grms, 5-500Hz (Refer to IEC60068-2-64) X, Y, Z axes, 60 min/axis	
Shock	OP 20G peak acceleration (Half-Sine), Pulse Duration: 11ms (Refer to IEC60068-2-27), ±X, ±Y, ±Z, 3 shocks/axes	
ESD	Air: ±15kV, Contact: ±8kV	
Certifications & Compliance	CE/FCC class B EN 55032:2015 + A11:2020; EN 55035:2017 + A11:2020 BS EN 55032:2015 + A11:2020; BS EN 55035:2017 + A11:2020 AS/NZS CISPR 32:2015 + A1:2020 EN 60601-1-2:2015 + A1:2021; IEC 60601-1-2:2014 + A1:2020 BS EN 60601-1-2:2015 + A1:2021 ; EN IEC 61000-3-2:2019+A1:2021 BS EN IEC 61000-3-2:2019+A1:2021; EN 61000-3-3:2013+A1:2019+A2:2021 BS EN 61000-3-3:2013+A1:2019+A2:2021 EN IEC 61000-6-4:2019 ; EN IEC 61000-6-2:2019 ; BS EN IEC 61000-6-4:2019 BS EN IEC 61000-6-2:2019 ; EN 50121-3-2:2016+A1:2019 ; BS EN 50121-3-2:2016+A1:2019 EN 55011:2016+A11:2020 (Group1, class B) BS EN 55011:2016+A11:2020 IEC/EN 60601-1 ; IEC/EN 62368-1 2nd	
Software		
Operating System	Yocto Kirkstone LTS (5.15) (default), Android 13 (optional), Windows 10 (by demand)	
Mechanical		
Construction	SGCC	
Dimension	184 x 154 mm	257.6 x 202.2 mm
Weight	860g ± 25 g	950g ± 28 g
Mounting	1) Panel Mounting 2) Rear cover 3) VESA bracket	

*For further customization, please contact our EV-IDS PM team.
*For full specifications, please refer to the datasheet on ADLINK.com.

All-in-One Panel PCs

Compact Design. Complete Control. Anywhere You Need It.

When space is limited and reliability is non-negotiable, the STC2 Series All-in-One Panel PCs deliver the performance and durability needed for industrial environments. Combining touch display, computing, and connectivity in a single compact unit, the STC2 Series simplifies system design and reduces integration time—ideal for machine interfaces, equipment control, and factory automation or even more applications.

With fanless construction, wide operating temperature support, and well-balanced I/O configuration, it is built for long-term operation in harsh conditions. Designed and built by ADLINK, the STC2 Series can be customized to fit your specific needs—helping you shorten development time, ensure system compatibility, and stay focused on what matters most: reliable operation

Simplify integration & Maximize reliability

All-in-One Design
Touch display, computing, I/O in a single compact unit.

Scalable Performance
From entry level to AI computing, tailored for your workload

Global Tecnical Support
Industrial expertise. Global support. Delivered fast.

HMI Software Integration*
Hybrid PLC and PC-based motion control and supports Modbus, CANopen automation protocols

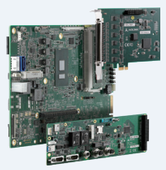
Wide Temperature
Operates reliably from -20°C to 60°C by request

Easy Mounting
Support quick installation on walls, arms, panels, enclosures

*For full-featured HMI software, please contact us.

Highlighted Features

Various mounting options
Compatible with VESA mounts and desk stands, STC2 series ensure simple and convenient deployment.



Flexible configuration with advanced modularization
Supporting customization across performance levels, display and touch options, and I/O interfaces—speeding up development and cutting costs.

Long-term durability and reliability
Extended life cycle support, integrated over-voltage protection, and IP65-rated front protection deliver robust and stable performance.

Narrow bezel and slim design
Compact and lightweight with a narrow bezel, the frame allows easy integration, reducing installation costs while enhancing visual appeal.

All-in-One Panel PC
(STC2-TGL Series)

Model Name	STC2-156-TGL
System	
Processor	Intel® Core™ i5-1145G7E, 2.6 (4.1)GHz, 8MB, 15-28W (Iris Xe)
Memory	2x SODIMM non-ECC 2400/3200 MHz DDR4 memory up to 64GB
Storage	1x M.2 SATA 6 Gbps port, M key 2280, 128G
Display	
Size	15.6”
Resolution (Max.)	1920 x 1080
Aspect Ratio	16:9
Brightness (Nits)	400 nits (w/i touch)
Backlight Life (Hrs)	50,000
Viewing Angle (U/D/R/L)	89/89/89/89
Contrast Ratio	1000:1
Touchscreen	10-point, PCAP (Projected Capacitive Touch), Anti-fingerprint coating
I/O	
Ethernet	1x GbE LAN, RJ-45
Serial Port	1x RS-232/422/485 programmable, auto flow
USB Port	1x USB 2.0, Type A, OCP, 1000mA 1x USB 3.2, 5 Gbps, Type A, OCP, 1600mA 2x USB 3.2, gen 2, 10 Gbps, Type A, OCP, 1600mA
Video	1x DP, DP++, resolutions up to 5120x3200@60Hz 1x MiniDP, DP++, resolutions up to 5120x3200@60Hz (Optional)
Audio	1x for 2x stereo speaker (2 watt) 1x Mic-in and Line-out 1x buzzer
M.2	M.2 E key for Wi-Fi/BT M.2 B key for 4G/LTE
Environmental	
Operating Temperature	0°C to 60°C (Default) -20°C to 60°C (By Request)
Storage Temperature	-20°C to 60°C
Humidity	10% to 95%
Vibration	OP 1 Grms, 5-500Hz w/ SSD, (IEC60068-2-64), X, Y, Z axes, 60 min/axis
Shock	OP 20G peak acceleration, 11 ms (IEC60068-2-64), ±X, ±Y, ±Z, 3 shocks/asix
IP Rating	Front IP65
Certifications & Compliance	CE/FCC
Power Input	9-36V DC input OVP/UVP protection
Power Consumption	TBD
Software	
WDT	Watch Dog Timer supported
Operating System	Windows® 10 IoT Enterprise, Linux Ubuntu 20.04
Mechanical	
Net Weight/ Gross Weight	3.4 kg /4.2 kg
Packing Dimension (H x W x D mm)	390 x 239 x 47
Mounting	VESA Mount, MIS-D 75mm x 75mm, 100mm x 100mm

*For further customization, please contact our EV-IDS PM team.

All-in-One Panel PC
(STC2-KL Series)

Model Name	STC2-10WP-KL	STC2-15WP-KL	STC2-21WP-KL
System			
Processor	7th Gen Intel® Core™ Processor		
Memory	4GB DDR3L		
Storage	64GB SSD		
Display			
Size	10.1”	15.6”	21.5””
Resolution (Max.)	1280x 800	1920 x 1080	
Aspect Ratio	16:9		
Brightness (Nits)	400 nits (w/i touch)		
Backlight Life (Hrs)	50,000		
Viewing Angle (U/D/R/L)	89/89/89/89		
Contrast Ratio	800:1	1000:1	
Touchscreen	10-point, PCAP (Projected Capacitive Touch), Anti-fingerprint coating		
I/O			
Ethernet	2x GbE LAN, RJ-45		
Serial Port	2x COM ports, RS-232/422/485		
USB Port	1x USB 2.0, Type A 1x USB 3.0, Type A		
Video	1x DP Port		
Audio	1x audio port (line out)		
Wi-Fi and Bluetooth	802.11 a/b/g/n/ac and Bluetooth 4.0 (Optional with Mini PCIe card)		
Expansion	1x Mini PCIe card with PCIe and USB interface		
Environmental			
Operating Temperature	-10°C to 50°C (SSD)		
Storage Temperature	-20°C to 60°C		
Humidity	10% to 80% @ 40°C (non-condensing)		
Vibration	Operating: 1G random 5 to 500Hz		
Shock	Operating: 20G/11ms		
IP Rating	Front IP65		
Certifications & Compliance	CE/FCC		
Power Input	9-36V DC input OVP/UVP protection		
Power Consumption	40.9W	50.4W	105W
Software			
WDT	Watch Dog Timer supported		
Operating System	Windows® 10 IoT Enterprise		
Mechanical			
Net Weight/ Gross Weight	2.05 kg /2.5 kg	3.4 kg /4.2 kg	6.2 kg /6.9 kg
Packing Dimension (H x W x D mm)	256 x 174 x 44	390 x 239 x 47	524 x 316 x 51
Mounting	VESA Mount, MIS-D 75mm x 75mm, 100mm x 100mm		

*For further customization, please contact our EV-IDS PM team.

All-in-One Panel PC
(STC2-EHL Series)

Model Name	STC2-15WP-EHL
System	
Processor	Intel Atom® J6412, 2.0(2.6) GHz, 10W, 4C/16EU
Memory	1x SODIMM socket, DDR4 3200MHz (Up to 32GB)
Storage	1x M.2 SATA M key 2280, support SATA SSD and NVME (PCIe x2)
Display	
Size	15.6”
Resolution (Max.)	1920 x 1080
Aspect Ratio	16:9
Brightness (Nits)	400 nits (w/i touch)
Backlight Life (Hrs)	50,000
Viewing Angle (U/D/R/L)	89/89/89/89
Contrast Ratio	1000:1
Touchscreen	10-point, PCAP (Projected Capacitive Touch), Anti-fingerprint coating
I/O	
Ethernet	1x GbE (Intel® I226), RJ-45, WOL (Default 1Gbps, optional: 2.5Gbps)
Serial Port	1x RS-232/422/485 programmable, auto flow
USB Port	2x USB 3.2, Gen 1 (5 Gbps), OCP, Type A 2x USB 2.0, OCP, Type A 1x USB 3.2 Gen 1, Type C (optional)
Video	1x DisplayPort, DisplayPort++, resolutions up to 4096x2160@60Hz 1x USB Type C, resolutions up to 4096x2160@60Hz (optional)
Audio	1x Stereo speaker (2 watt) 1x Mic-in/line-out 1x buzzer
COM Ports	1x RS-232/422/485 programmable, auto flow (wire to connectors) Default: COM 1, COM 2: BOM optional
Environmental	
Operating Temperature	0°C to 60°C (Default) -20°C to 60°C (By Request)
Storage Temperature	-20°C to 60°C
Humidity	10% to 95%
Vibration	OP 1 Grms, 5-500Hz w/ SSD, (IEC60068-2-64), X, Y, Z axes, 60 min/axis
Shock	OP 20G peak acceleration, 11 ms (IEC60068-2-64), ±X, ±Y, ±Z, 3 shocks/asix
IP Rating	Front IP65
Certifications & Compliance	CE/FCC
Power Input	9-36V DC input OVP/UVP protection
Power Consumption	TBD
Software	
WDT	Watch Dog Timer supported
Operating System	Windows® 10 IoT Enterprise, Linux Ubuntu 20.04
Mechanical	
Net Weight/ Gross Weight	3.4 kg /4.2 kg
Packing Dimension (H x W x D mm)	390 x 239 x 47
Mounting	VESA Mount, MIS-D 75mm x 75mm, 100mm x 100mm

*For further customization, please contact our EV-IDS PM team.

All-in-One Panel PC
(STC2-AL Series)

Model Name	STC2-10WP-AL	STC2-15WP-AL
System		
Processor	Intel Atom® x7-E3950 Processor	
Memory	4GB DDR3L	
Storage	64GB SSD	
Display		
Size	10.1”	21.5””
Resolution (Max.)	1280x 800	1920 x 1080
Aspect Ratio	16:9	
Brightness (Nits)	400 nits (w/i touch)	
Backlight Life (Hrs)	50,000	
Viewing Angle (U/D/R/L)	89/89/89/89	
Contrast Ratio	800:1	1000:1
Touchscreen	10-point, PCAP (Projected Capacitive Touch), Anti-fingerprint coating	
I/O		
Ethernet	2x GbE LAN, RJ45	
Serial Port	2x COM ports, RS-232/422/485	
USB Port	1x USB 2.0, Type A 1x USB 3.0, Type A	
Video	1x DP Port	
Audio	1x audio port (line out)	
Wi-Fi and Bluetooth	802.11 a/b/g/n/ac and Bluetooth 4.0 (Optional with Mini PCIe card)	
Expansion	1x Mini PCIe card with PCIe and USB interface	
Environmental		
Operating Temperature	-10°C to 50°C (SSD)	
Storage Temperature	-20°C to 60°C	
Humidity	10% to 80% @ 40°C (non-condensing)	
Vibration	Operating: 1G random 5 to 500Hz	
Shock	Operating: 20G/11ms	
IP Rating	Front IP65	
Certifications & Compliance	CE/FCC	
Power Input	9-36V DC input	
Power Consumption	29.4W	39.8W
Software		
WDT	Watch Dog Timer supported	
Operating System	Windows® 10 IoT Enterprise	
Mechanical		
Net Weight/ Gross Weight	1.9 kg /2.5 kg	3.16 kg /4.2 kg
Packing Dimension (H x W x D mm)	256 x 174 x 44	390 x 239 x 47
Mounting	VESA Mount, MIS-D 75mm x 75mm, 100mm x 100mm	

*For further customization, please contact our EV-IDS PM team.

Rugged Panel PCs

Food-Safe. Pharma-Ready. Always Clean. Always On.

For hygiene-critical industries, the Titan2 Series offers full 304/316 stainless steel construction and IP69K-certified protection — uilt to endure frequent high-pressure, high-temperature washdowns without risk of damage or contamination. Its seamless, easy-to-clean design meets the toughest sanitation standards, making it the perfect fit for food, beverage, pharmaceutical, and chemical environments where hygiene, safety, and uptime are non-negotiable.

Powered by Intel® Core™ i processors, Titan2 features up to 23.8” FHD touchscreens with optional optical bonding and 1000 nits brightness for clear, glove-friendly operation in any condition. Rugged M12 connectors and fanless design enable reliable edge computing and real-time monitoring in smart factory automation.

TAIWAN EXCELLENCE 2025

Maximize productivity. Minimize space.

Advanced Computing
Powerful edge computing for real-time control

Stainless Steel Housing
Corrosion-resistant, food- and pharma-safe design

IP69K Water & Dust Protection
Withstands high-pressure, high-temperature washdowns

True Flat Touch Panel
Both front & rear side are true flat design for easy to clean, prevents residue build-up

M12 Connectors
High-speed Ethernet and rugged connectivity

RFID & Camera
Optional value-added withRFID and buit-in front camera

Use Cases

More Available at ADLINK.com

Refrigeration System
Location: EMEA

Project Requirements
1. 21.5” Titan2 series as a control panel
2. Touch type, glass, sensitivity adjustments
3. EMC, humidity, shock and vibration test
4. Adding RFID function

Food and Beverage

Mining Shovels HMI
Location: USA

Project Requirements
1. Tailored 15.6” high brightness touch monitor
2. Sunglass readable Circular Polarizing Film
3. Safety, EMC, vibration standards
4. Operating Temperature -25C to +50C

Heavy Industry

Focus Vertical Markets

Food Beverage Automation

Pharmaceutical

Chemical

Born for Intelligent Rugged Applications

Incorporating an authentic flat design on both its front and rear surfaces, this full IP69K panel PC stands as a pinnacle of uncompromised cleanliness, aligning seamlessly with stringent hygiene standards. Boasting advanced functionalities including RFID for secure access authorization, a camera for precise identity recognition, glove-use touch capability, and a user-friendly physical power button, the Titan2 Series provides a cutting-edge interface designed for efficiency. Its robust construction is finely tuned with a broad operating system temperature range, guaranteeing optimal performance across a spectrum of challenging conditions.

Power Button

10-Point PCAP Touch

Wide Operating Temperature

Total True Flat

RFID Support (optional)

Front Camera (optional)

IP69K Stainless Steel Panel PC

(Titan2 Series)

intel partner Titanium

Model Name	Titan2-15WP-VESA	Titan2-21WP-VESA	Titan2-24WP-VESA
System			
Processor	Intel® Core™ i5-1145G7E 1.5GHz 15W (4 Cores) Intel® Core™ i3-1115G4E 2.2GHz 15W (2 Cores)		
Memory	DDR4 up to 64 GB		
Storage	1x M-key 2280 (SATA-III) for SSD		
Display			
Size	15.6”	21.5”	23.8”
Resolution (Max.)	1920 x 1080		
Aspect Ratio	16:9		
Brightness (Nits)	500		250
Backlight Life (Hrs)	50,000	30,000	
Viewing Angle (U/D/R/L)	89/89/89/89		
Contrast Ratio	1000:1		3000:1
Touchscreen	10-point, PCAP (Projected Capacitive Touch), Anti-fingerprint coating		
I/O			
Ethernet	1x M12 for 2.5GbE LAN (X-coded)with waterproof cover		
Serial Port	1x M12 for RS-232/422/485 (default RS-232, A-coded) with waterproof cover		
USB Port	1x M12 for 2x USB 2.0 (A-coded) with waterproof cover		
Expansion Slot	1x M.2 E-key 2230 (PCIe+USB2.0) for optional WIFI/BT 1x M.2 B-key 3042 (USB2.0+USB3.2 Gen1) for optional LTE/5G		
Optional	2x optional blank M12 connectors with waterproof covers for selecting from the following options: 1x USB 3.2 Gen.1 1x 2.5GbE LAN Optional integrate RFID/Camera at front bezel		
Environmental			
Operating Temperature	STD : -10 to 50°C	STD: 0 to 50°C High Brightness LCD Model: 0 to 40°C	STD: 0 to 40°C
Storage Temperature	-20°C ~ + 60°C (excluding storage)		
Humidity	~95% @ 40°C (104°F) (non-condensing)		
Vibration	Operating : 10 ~ 500 Hz, 1.87G for X, Y, Z (IEC 60068-2-64)		
Shock	Operating: 30 G, half sine 11ms duration (w/ SSD) for 15.6” and 21.5” Operating: 20 G, half sine 11ms duration (w/ SSD) for 23.8”		
IP Rating	IP69K		
Certifications & Compliance	EN61000-6-4/-2, CE, FCC Class B		
Power Input	24V DC (1x M12 for DC power (T-coded))		
Power Consumption	34.2W~54.7W	45.3W~72.4W	52.7W~99.6W
Software			
WDT	Supported		
Operating System	Windows® 10 IoT Enterprise/LTSC 64-bit		
Mechanical			
Net Weight/ Gross Weight	7 kg	10 kg	13 kg
Packing Dimension (H x W x D mm)	252.7 x 387.36 x 55	329.19 x 521.4 x 55	364.36 x 584.94 x 55
Mounting	VESA 100x100 mm /200 x 100(23.8”) mm, Yoke/Pipe mount options		

*For further customization, please contact our EV-IDS PM team.

Industrial Compact Box PCs

Compact Power. Industrial Reliability. Computing at the Edge.

The EMP Series compact box PCs are built to simplify industrial computing—combining durability, flexible I/O, and compact form factors for edge deployments in manufacturing, automation, signage and more. Designed for 24/7 reliability in harsh and space-constrained environments, it helps reduce integration time and increase deployment flexibility.

The series offers three performance tiers to meet different needs. The EMP-520, powered by Intel® Meteor Lake with an integrated NPU, supports entry- to mid-level AI inference for vision, analytics, and predictive applications. The EMP-510 delivers efficient fanless x86 computing with rich I/O and expansions while the EMP-100 mini PC offers essential performance in a palm-sized, industrial-grade design.

Maximize productivity. Minimize space.

Multi-Level Computing
Supports versatile performance and power needs.

Compact Design
Ultra-compact form factor ideal for constrained space

Wireless Connectivity Modules
Supports Wi-Fi, Bluetooth, and LTE modules for flexible and reliable wireless communication.

High-Resolution Display Support
Clear, detailed visuals in industrial and digital signage applications.

Deployment Flexibility
Fanless or active-cooling with wide-temp support and VESA mount

Rich USB Ports
High-speed data transfer and peripheral expansion.

*For full-featured HMI software, please contact us.

Use Cases

More Available at ADLINK.com

Lightweight Edge Server
Location: USA

Project Requirements
1. Compact Box PC wiht rich I/O connectivity (EMP-510)
2. Edge server security through encryption and trusted boot
3. Customized fan (protection against accidental interference)
4. Extra memory 64GB DDR4 for data-heavy workloads

Healthcare & Medical

Digital Signage System
Location: USA

Project Requirements
1. Built on the ATOM-based Intel® Celeron® 6305E processor
2. Supports dual 4K high-resolution display outputs
3. Reliable system operation for 24/7 content delivery
4. Customized ODM services for diverse retail applications

Smart Retail

Network Video Recorder
Location: USA

Project Requirements
1. NUC sized fanless mini PC (EMP-100)
2. Industrial grade design for 24/7 operation
3. Customized mounting to fit existing equipments
4. Comprehensive Technical Support

Surveillance

Industrial Compact Box PCs
(Advanced EMP-520 Series)

Model Name	EMP-520
System	
Processor	14th Gen. Intel® Core™ Ultra 7/5 Processors (Meteor Lake-H/U)
GPU	Intel® Xe-LPG
Memory	2 x 262-pin SO-DIMM DDR5-5600MHz up to 96GB (48GB per DIMM)
Storage	128GB (default), 256GB (option)
TDP	28W with fan
TPM	fTPM 2.0
I/O	
Display	4x HDMI 2.0, Max resolution 3840 x 2160 @ 60Hz, EDID Emulation
Ethernet	2x 2.5GbE LAN (RJ-45): i226LM Support Intel® AMT
Serial Ports	1x RS-232
USB	4x USB2.0 + 2x USB 3.2 Gen.1 (Type-A)
Audio	1x Headphone (Line-out and MIC-in)
Buttons	1x Power button with LED, 1 x Clear EDID
Power Connector	1 x DC Jack with lock
Expansions	
M.2	1x M.2 2280 NVMe (PCIe x4) Key-M for optional storage device 1x M.2 3042 (PCIe+USB3.2 Gen.1) Key-B for optional LTE module 1x M.2 2230 (PCIe+USB2.0) Key-E for optional Wi-Fi/BT module
Mechanical	
Dimensions	211 (W) x 115 (D) x 35 (H) mm
Weight	2.5 kg
Mounting	Wall mount(default) / VESA mount (option)
Software	
Operating System	Windows 11 IoT (64-bit) Linux Ubuntu (64bit) by request
Power Supply	
DC Input	12V DC
Environmental	
Operating Temperature	Standard: 0°C to 45°C with fan
Storage Temperature	-10 to 55°C
Humidity	~95% @ 40°C (104°F) (non-condensing)
Vibration	Operating: 3 Grms, 5-500 Hz, 3 axes (w/ SSD)
Shock	Operating: 50 Grms, half sine 11ms duration (w/ SSD)
ESD	Contact ±4KV, Air ±8KV
Certification	CE/UKCA/FCC Class B, UL/CB 62368-1

*For further customization, please contact our EV-IDS PM team.

Industrial Compact Box PCs
(Fanless EMP-510 Series)

Model Name	EMP-510
System	
Processor	Intel® Core™ i5-1145G7E Intel® Core™ i3-1115G4E Intel® Celeron® 6305E
GPU	Intel Iris® Xe
Memory	DDR4 SODIMM up to 64GB
Storage	128GB (default), 256GB (option)
TDP	15W
TPM	fTPM
I/O	
Display	1x DP 1.4, 3x HDMI 2.0
Ethernet	2x GbE RJ-45
Serial Ports	1x DB9 COM (RS-232)
USB	4x USB 3.0
Audio	Line-out, Line-in
Buttons	1x Power button with LED
Power Connector	1 x DC Jack with lock
Expansions	
M.2	1x M.2 2280 NVMe (PCIe x4) Key-M for optional storage device 1x M.2 3042 (PCIe+USB3.2 Gen.1) Key-B for optional LTE module 1x M.2 2230 (PCIe+USB2.0) Key-E for optional Wi-Fi/BT module
Mechanical	
Dimensions	211 (W) x 115 (D) x 35 (H) mm
Weight	2.5 kg
Mounting	Wall mount(default) / VESA mount (option)
Software	
Operating System	Windows 10 IoT Enterprise/LTSC 64-bit
Power Supply	
DC Input	12V DC
Environmental	
Operating Temperature	Standard: 0°C to 50°C / ETT: -20°C to 50°C
Storage Temperature	-40°C to 85°C (-40°F to 185°F) (excluding storage)
Humidity	~95% @ 40°C (104°F) (non-condensing)
Vibration	Operating: 3 Grms, 5-500 Hz, 3 axes (w/ SSD)
Shock	Operating: 50 Grms, half sine 11ms duration (w/ SSD)
ESD	Contact ±4KV, Air ±8KV
Certification	EN61000-6-4/-2, CE, FCC Class B, UL/cUL, CB, CCC

*For further customization, please contact our EV-IDS PM team.

Industrial Compact Box PCs
(Mini EMP-100 Series)

Model Name	EMP-100
System	
Processor	Intel® Celeron® N6210 SoC Intel® Celeron® J6412 SoC
Memory	1 x DDR4 SO-DIMM, up to 16GB
Storage	128GB (default), 256GB (option)
TDP	6.5W (N6210) / 10W (J6412)
TPM	fTPM 2.0
I/O	
Display	1x HDMI 2.0b, Maximum resolution 3840x2160 @ 60Hz 1x HDMI 1.4, Maximum resolution 3840x2160 @ 30Hz
Ethernet	1x GbE LAN (RJ-45)
Serial Ports	1x RS-232 (optional)
USB	3x USB 3.2 Gen.1 (Type-A)
Audio	1x 3.5mm Headset Jack (CTIA)
Buttons	1x power button with LED
Power Connector	1x DC Jack
Expansions	
M.2	1 x M.2 2230 Key E (USB2.0 + PCIe X1) for optional Wi-Fi/BT module
Antennas	2 x Antenna holes for SMA-type antennas (Wi-Fi/BT)
Mechanical	
Dimensions	130 (W) x 107 (D) x 28 (H) mm
Weight	550 g
Mounting	Wall / VESA mount
Software	
Operating System	Windows 10 IoT (64-bit) Windows 11 IoT (64-bit) Linux Ubuntu (64bit) by request
Power Supply	
DC Input	12V DC
Environmental	
Operating Temperature	0 to 40°C (with 0.6 m/s air flow)
Storage Temperature	0 to 60°C
Humidity	~95% @ 40°C (104°F) (non-condensing)
Vibration	Operating 3 Grms, 5-500Hz ,w/ SSD
Shock	Operating 30G peak acceleration, 11 ms, w/ M.2 SSD
ESD	Contact ±4KV, Air ±8KV
Certification	CE/FCC Class B

*For further customization, please contact our EV-IDS PM team.

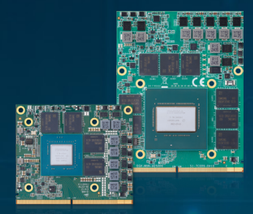
Industrial Compact Box PCs
(Mini EMP-100 Series)

Model Name	EMP-100-IMX8
System	
Processor	NXP i.MX 8M Plus, ARM A53, 64-Bit, 1.8GHz, 4 Core
Memory	4GB LPDDR4 (8GB optional)
Storage	32GB eMMC 5.1
TDP	TBD
TPM	N/A
I/O	
Display	1x HDMI 2.0a, up to 3840x2160p30
Ethernet	1x GbE port, RJ45 connector
Serial Ports	1x RS485, with auto flow control (default) 1x RS-232/422/485 programmable, auto flow (optional)
USB	1x USB 3.0 Type A and 1x USB 2.0 Type A
Audio	1x 3.5mm Headset Jack (CTIA)
Buttons	1x power button with LED
Power Connector	1x 2.5 Φ DC Jack
Expansions	
M.2	1x 2230 A/E key for WiFi/Bluetooth
Antennas	2 x Antenna holes for SMA-type antennas (Wi-Fi/BT)
Mechanical	
Dimensions	130 (W) x 107 (D) x 28 (H) mm
Weight	550 g
Mounting	Wall / VESA mount
Software	
Operating System	Yocto Kirkstone LTS (5.15), by default Windows 10, by demand
Power Supply	
DC Input	12V DC
Environmental	
Operating Temperature	0 to 60°C
Storage Temperature	-40 to 85°C
Humidity	~95% @ 40°C (104°F) (non-condensing)
Vibration	Operating 3 Grms, 5-500Hz ,w/ SSD
Shock	Operating 30G peak acceleration, 11 ms, w/ M.2 SSD
ESD	Contact ±4KV, Air ±8KV
Certification	CE/FCC Class B

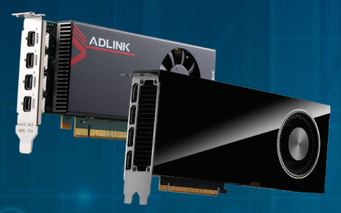
*For further customization, please contact our EV-IDS PM team.

GPU Solutions

Edge AI Unlocked - Modular Graphics for Any Form Factor



MXM GPU Module



PCIe Graphics Card

Portable GPU

NVIDIA PREFERRED PARTNER

intel partner Titanium

Engineered to meet the rigorous demands of industrial applications, ADLINK's embedded GPU solutions leverage cutting-edge NVIDIA and Intel GPU technology to elevate graphics processing to new heights. Designed for accelerated rendering, AI inferencing, and high-performance computing, ADLINK GPUs enhance system responsiveness while minimizing I/O latency.

Understanding industrial challenges, ADLINK offers compact, power-efficient MXM GPUs for space-constrained environments and professional PCI Express graphics cards for superior graphics quality and high-performance computing. Built for durability and longevity, ADLINK's embedded GPU solutions are designed to support the evolving needs of industries such as healthcare, manufacturing, logistics, transportation, aerospace, telecommunications, and defense - delivering reliable performance for years to come.

Why ADLINK GPU Solutions

Flexible Customization
Tailored to your specific performance, form factor, and thermal requirements

Accelerate AI Computing
Supports AI inference, machine learning, and advanced graphics processing

Long-life Support
5-year supply assurance for long-term availability and compatibility.

Real-time Technical Support
5-year supply assurance for long-term availability and compatibility.

intel ARC GRAPHICS NVIDIA RTX

Comprehensive GPU Solutions
with Deep Expertise ADLINK delivers a full lineup of NVIDIA and Intel GPUs - backed by proven design know-how and dedicated support.

Excellent Quality in
Manufacturing and Management
ISO 9001 & TL 9000, ISO 13485,
ISO 14001, ISO 45001, ISO 17025, etc.

Dedicated Support Teams
Design, HW, SW, SE, EE,
Product Marketing, FAE

Product Lineup

GPUArchitecture		MXM	PCIe Graphics Card	Portable GPU
NVIDIA	Blackwell	●	●	Planning
	AdaLovelace	●	●	–
	Ampere	●	●	A500 (PocketAI)
	Turing	●	●	–
Intel	Alchemist	●	●	–
	Battlemage	Planning	Planning	–
Recommended Applications		- AI Computing - Aerospace - Defense - Healthcare - Professional Graphics - Smart Manufacturing - Transportation (In-vehicle computing, autonomous vehicles)	- AI/ Deep Learning - Gaming - Healthcare - Professional Graphics - Server - Workstation	- AI Inference - Machine Learning Training - Gaming - Graphics Rendering - Healthcare - Surveillance

● : Available

ADLINK Embedded GPU Solutions

Intel® Arc™ Battlemage Series

The Intel Arc Xe² Battlemage GPU lineup brings the next generation of high-performance graphics to the industrial and embedded computing space. Featuring a rearchitected Xe²-HPG core, these GPUs deliver enhanced ray tracing, AI inferencing, and advanced media acceleration—making them ideal for edge AI, professional visualization, and compute-intensive industrial workloads.

Available in MXM (Mobile PCI Express Module) and PEG (PCI Express Graphics) form factors, Battlemage GPUs combine compact scalability with datacenter-grade compute capabilities, enabling seamless integration into space-constrained systems, rugged edge deployments, and high-performance workstations.

New Xe² Architecture

Improves performance-per-watt, rendering realism, and AI-accelerated workflows

2nd-Gen Ray Tracing Units

*Lower Lantecy
*Enables real-time photorealistic rendering

Upgraded XMX Matrix Engines

For AI acceleration and XeSS (Xe Super Sampling) 2.0 upscaling

Streamline AI Workloads

Supports OpenVINO™, DirectML, and OneAPI toolkits

AV1 HW Encode

Efficient, high-quality video compression with lower bandwidth usage

GDDR6 Memory

For faster performance and smoother visuals in content creation

AI Inference

Creator

Machine Vision

Medical Imaging

Workstation

ADLINK Embedded GPU Solutions

NVIDIA® Blackwell Architecture

MXM GPU Module

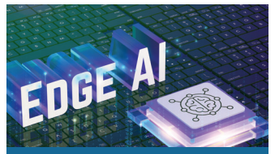
The NVIDIA Blackwell MXM GPU modules deliver next-generation AI and graphics performance in a compact, modular form factor ideal for embedded and industrial applications. Built on the advanced Blackwell architecture, these modules offer exceptional compute density, low power consumption, and long-term reliability—making them perfect for systems where space, efficiency, and endurance are critical.

- MXM 3.1 Type A/B
- GDDR7 Memory Up to 24GB
- PCIe Gen 4 up to x16 interface
- Support up to 4x DP 1.4a displays
- Up to 10,496 CUDA® Cores, 80 RT Cores, and 320 Tensor Cores

Automation/ Robotics

Medical Imaging

Autonomous Vehicles



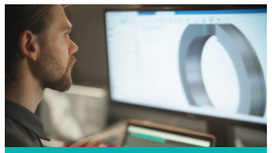
Edge AI

PCIe Graphics Card

The NVIDIA RTX PRO™ Blackwell series is a groundbreaking new generation of workstation and server GPUs, transforming workflows across AI, creative, technical, engineering, and design fields with cutting-edge accelerated computing, advanced AI inference, real-time ray tracing, and neural rendering technologies.

- RTX™ PRO 2000 Blackwell
- RTX™ PRO 4000 SFF Blackwell
- RTX™ PRO 4000 Blackwell
- RTX™ PRO 4500 Blackwell
- RTX™ PRO 5000 Blackwell
- RTX™ PRO 6000 Blackwell Server Edition
- RTX™ PRO 6000 Blackwell Workstation Edition
- RTX™ PRO 2000 Blackwell Max-Q Workstation Edition

AI Content Creation


Advanced Design

Medical Simulation

Server/ Workstation

NVIDIA-Based MXM

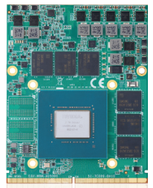
Blackwell Architecture

Model Name	EGX-MXM-BW500	EGX-MXM-BW2000	EGX-MXM-BW4000	EGX-MXM-BW5000
Graphic Core				
Graphic Architecture	NVIDIA RTX™ 500 Blackwell	NVIDIA RTX™ 2000 Blackwell	NVIDIA RTX™ 4000 Blackwell	NVIDIA RTX™ 5000 Blackwell
Memory	6GB GDDR7 memory, 96-bit	8GB GDDR7 memory,128-bit	16GB GDDR7 memory, 256-bit	24GB GDDR7 memory, 256-bit
Memory Bandwidth	336 GB/s	448 GB/s	896 GB/s	896 GB/s
ECC Support	N/A	Yes	Yes	Yes
GPGPU Computing				
CUDA® Cores	1,792 CUDA® Cores,	3,328 CUDA® Cores,	7,680 CUDA® Cores,	10,496 CUDA® Cores,
	9.2 TFLOPS Peak FP32 Performance	17.7 TFLOPS Peak FP32 Performance	38.7 TFLOPS Peak FP32 Performance	49.8 TFLOPS Peak FP32 Performance
Tensor Cores	56	104	240	320
RT Cores	14	26	60	80
Compute API	CUDA® Toolkit 8.0 and above, CUDA® Compute version 8 and above, OpenCL™ 1.2			
Graphics API	DirectX® 12.1, OpenGL® 4.6			
Display				
Display Outputs	3x DP 1.4a	3x DP 1.4a	4x DP 1.4a	4x DP 1.4a
	HDMI 2.1, 4K at 120Hz or 8K at 60Hz with 10-bit color depth			
Interface	PCIe Gen4 x8	PCIe Gen4 x8	PCIe Gen4 x16	PCIe Gen4 x16
Mechanicals				
Dimensions	82 (W) x 70 (D) x 4.8 (H) mm		82 (W) x 105(D) x 4.8 (H) mm	
Form Factor	Standard MXM 3.1 Type A		Standard MXM 3.1 Type B	
Environmental				
Operating Temperature	Standard: 0˚C – 55˚C			
	Extended Temperature: -40˚C – 85˚C*			
Storage Temperature	-40˚C – 85˚C			
Module Power Consumption	55W	100W	115W	115W
SW Support				
OS Support	Windows 11, 10 & Linux Drivers, 64-bit			

*Please contact our account manager for more detailed support

NVIDIA-Based MXM

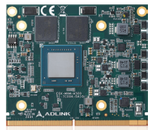
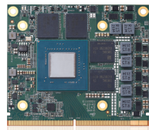
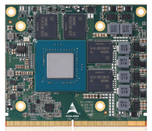
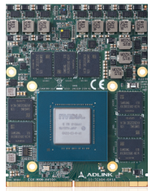
Ada Lovelace Architecture



Model Name	EGX-MXM-AD2000	EGX-MXM-AD3500	EGX-MXM-AD5000
Graphic Core			
Graphic Architecture	NVIDIA RTX™ 2000 ADA	NVIDIA RTX™ 3500 ADA	NVIDIA RTX™ 5000 ADA
	AD107-975 GPU	AD104-925 GPU	AD103-950-955 GPU
Memory	8GB GDDR6 memory,128-bit	12GB GDDR6 memory,192-bit	16GB GDDR6 memory,256-bit
Memory Bandwidth	256 GB/s	432 GB/s	576 GB/s
ECC Support	Yes	Yes	Yes
GPGPU Computing			
CUDA® Cores	3,072 CUDA® Cores,	5,120 CUDA® Cores,	9,728 CUDA® Cores,
	14.5 TFLOPS Peak FP32 Performance	23 TFLOPS Peak FP32 Performance	42.6 TFLOPS Peak FP32 Performance
Tensor Cores	96	160	304
RT Cores	24	40	76
Compute API	CUDA® Toolkit 8.0 and above, CUDA® Compute version 8 and above, OpenCL™ 1.2		
Graphics API	DirectX® 12.1, OpenGL® 4.6		
Display			
Display Outputs	3x DP 1.4a	4x DP 1.4a	4x DP 1.4a
	HDMI 2.1, 4K at 120Hz or 8K at 60Hz with 10-bit color depth		
Interface	PCIe Gen4 x8	PCIe Gen4 x16	
Mechanicals			
Dimensions	82 (W) x 70 (D) x 4.8 (H) mm	82 (W) x 105 (D) x 4.8 (H) mm	
Form Factor	Standard MXM 3.1 Type A	Standard MXM 3.1 Type B	
Environmental			
Operating Temperature	Standard: 0˚C – 55˚C		
	Extended Temperature: -20˚C – 70˚C		
Storage Temperature	-40˚C – 85˚C		
Module Power Consumption	60W	115W	
SW Support			
OS Support	Windows 11, 10 & Linux Drivers, 64-bit		

NVIDIA-Based MXM

Ampere Architecture

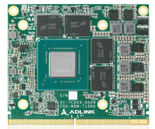
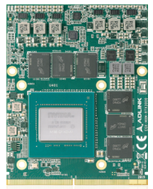





Model Name	EGX-MXM-A500	EGX-MXM-A1000	EGX-MXM-A2000	EGX-MXM-A4500
Graphic Core				
Graphic Architecture	NVIDIA RTX™ A500	NVIDIA RTX™ A1000	NVIDIA RTX™ A2000	NVIDIA RTX™ A4500
	GA107-950 GPU	GA107-950 GPU	GA107-980 GPU	GA104-955 GPU
Memory	2GB/4GB GDDR6 memory, 64-bit	4GB GDDR6 memory, 128-bit	8GB GDDR6 memory, 128-bit	16GB GDDR6 memory, 256-bit
Memory Bandwidth	96 GB/s	192 GB/s	192 GB/s	512 GB/s
GPGPU Computing				
CUDA® Cores	2,048 CUDA® Cores	2,048 CUDA® Cores	2,560 CUDA® Cores,	5,888 CUDA® Cores,
	6.54 TFLOPS Peak FP32 Performance	6.66 TFLOPS Peak FP32 Performance	8.25 TFLOPS Peak FP32 Performance	17.66 TFLOPS Peak FP32 Performance
Tensor Cores	64		80	184
RT Cores	16		20	46
Compute API	CUDA® Compute version 8 and above, OpenCL™ 1.2			
Graphics API	DirectX® 12.1, OpenGL® 4.6			
Display				
Display Outputs	N/A	4x DP 1.4a, HDMI 2.1* 4K at 120Hz or 8K at 60Hz		
Interface	PCIe Gen4 x4	PCIe Gen4 x8	PCIe Gen4 x8	PCIe Gen4 x16
Mechanicals				
Dimensions	82 (W) x 70 (D) x 4.8 (H) mm			82 (W) x 105 (D) x 4.8 (H) mm
Form Factor	Standard MXM 3.1 Type A			Standard MXM 3.1 Type B
Environmental				
Operating Temperature	Standard: 0˚C – 55˚C			
	Extended Temperature: -20˚C – 70˚C			
Storage Temperature	-40˚C – 85˚C			
Module Power Consumption	25W - 40W	35W or 60W		80W or 115W
SW Support				
OS Support	Windows 11, 10 & Linux Drivers, 64-bit			

*Require custom VBIOS. Tech support available upon request.

NVIDIA-Based MXM

Turing Architecture

Model Name	EGX-MXM-T1000	EGX-MXM-RTX3000
Graphic Core		
Graphic Architecture	Quadro® T1000	Quadro® RTX3000
Memory	4GB GDDR6 memory, 128-bit	6GB GDDR6 memory, 192-bit,
Memory Bandwidth	192 GB/s	336 GB/s
GPGPU Computing		
CUDA® Cores	896 CUDA® Cores,	1,920 CUDA® Cores,
	2.6 TFLOPS Peak FP32 Performance	5.3 TFLOPS Peak FP32 Performance
Tensor Cores	N/A	240
RT Cores	N/A	30
Compute API	CUDA® Toolkit 8.0 and above, CUDA® Compute version 6.1 and above, OpenCL™ 1.2	
Graphics API	DirectX® 12, OpenGL® 4.6, Vulkan 1.0 API	
Display		
Display Outputs	4x DP 1.4a digital video outputs, 4K at 120Hz or 8K at 60Hz	
Interface	PCIe Gen3 x16	
Mechanicals		
Dimensions	82 (W) x 70 (D) x 4.8 (H) mm	82 (W) x 105 (D) x 4.8 (H) mm
Form Factor	Standard MXM 3.1 Type A	Standard MXM 3.1 Type B
Environmental		
Operating Temperature	Standard: 0˚C – 55˚C	
	Extended Temperature: -40˚C – 85˚C (T1000), -20˚C – 70˚C (RTX3000)	
Storage Temperature	-40˚C – 85˚C	
Module Power Consumption	50W TGP	80W TGP
SW Support		
OS Support	Windows 11, 10 & Linux Drivers, 64-bit	

Intel® ARC™ MXM

Alchemist Architecture

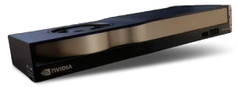
Model Name	MXM-AXe
Graphic Core	
Graphic Architecture	Intel® ARC™ Alchemist
GPU	A370E/ A350E
Memory	4GB GDDR6, 64-bit
Memory Bandwidth	112 GB/s
GPGPU Computing	
Ray Tracing (RT) Cores	Up to 8 Xe Cores
Execution Units (EU)	Up to 128x
XMX AI Cores	Yes
Supported Technologies	Intel OpenVINO™, OneAPI, Deep Link
Display	
Display Outputs	4x DP 2.0 or HDMI 2.1
Interface	PCIe Gen4 x8
Mechanicals	
Dimensions	82 (W) x 70 (D) x 4.8 (H) mm
Form Factor	Standard MXM 3.1 Type A
Environmental	
Operating Temperature	0˚C – 55˚C
Storage Temperature	-40˚C – 85˚C
Module Power Consumption	(A370E) 35W, (A350E) 25W
SW Support	
OS Support	Windows 11, 10 & Linux drivers, 64-bit

PCIe-to-MXM Adapter

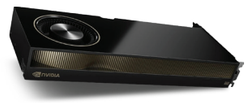
Model Name	EGX-MXM-AD
Supported MXM Modules	MXM 3.1 Type A, Type B, Type B+
Display Outputs	6 DP++ via DP 1.4 connectors, max. 4 simultaneous outputs
Resolution	Max. 7680 x 4320, dependent on MXM module
Fan Connectors	12V DC fan power connector
Ext. Power Input	Supports external power for MXM module, up to 120W
Interface	PCIe Gen4
Dimensions	235.95mm x 162.2mm
OS Support	Windows 11, 10, Linux driver supported
Operating Temperature	-40˚C – 85˚C
Operating Humidity	~95% @40C (non-condensing)
Storage Temperature	-40˚C – 85˚C
ESD	Contact +/- 4KV, Air +/- 8KV
EMC	CE & FCC Class B

NVIDIA-Based PCIe Graphics Card

Blackwell Architecture



Model Name	RTX PRO™ 4000 Blackwell	RTX PRO™ 4500 Blackwell	RTX PRO™ 5000 Blackwell
Memory	24GB GDDR7 memory	24GB GDDR7 memory	48GB GDDR7 memory
ECC Support	Yes	Yes	Yes
CUDA® Cores	8,960	10,496	14,080
Tensor Cores	280	328	440
RT Cores	70	82	110
Display Outputs	4x DP 2.1	4x DP 2.1	4x DP 2.1
Interface	PCIe Gen5 x16	PCIe Gen5 x16	PCIe Gen5 x16
Module Power Consumption	145W	200W	300W
Dimensions	4.4”H x 9.5”L	4.4”H x 10.5”L	4.4”H x 10.5”L
Form Factor	FHML, Single slot	FHFL, Dual slot	FHFL, Dual slot



Model Name	RTX PRO™ 6000 Blackwell Server Edition	RTX PRO™ 6000 Blackwell Workstation Edition	RTX PRO™ 6000 Blackwell Max-Q Workstation Edition
Graphic Core			
Memory	96GB GDDR7 memory, 512-bit	96GB GDDR7 memory, 512-bit	96GB GDDR7 memory, 512-bit
Memory Bandwidth	1.6 TB/s	1792 GB/s	1792 GB/s
ECC Support	Yes	Yes	Yes
GPGPU Computing			
CUDA® Cores	24,064	24,064	24,064
Tensor Cores	752	752	752
RT Cores	188	188	188
Compute API	CUDA 11.6, OpenCL™ 3.0, Direct Compute	CUDA 11.6, OpenCL™ 3.0, Direct Compute	CUDA 11.6, OpenCL™ 3.0, Direct Compute
Graphics API	–	Shader Model 6.6, OpenGL® 4.6, DirectX 12, Vulkan® 1.3	Shader Model 6.6, OpenGL® 4.6, DirectX 12, Vulkan® 1.3
Display			
Display Outputs	–	4x DP 2.1 4x 4096 x 2160 @ 120 Hz 4x 5120 x 2880 @ 60 Hz 2x 7680 x 4320 @ 60 Hz	4x DP 2.1 4x 3840 x 2160 @ 165 Hz 2x 7680 x 4320 @ 100 Hz
Interface	PCIe Gen5 x16	PCIe Gen5 x16	PCIe Gen5 x16
Mechanicals			
Dimensions	4.4”H x 10.5”L	5.4”H x 12”L	4.4”H x 10.5”L
Form Factor	Full Height, Dual slot	Full Height, Dual slot	Full Height, Dual slot
Environmental			
Module Power Consumption	400W - 600W (configurable)	600W	300W
Thermal Solution	Passive	Double-flow-through	Active
Multi-Instance GPU	4	4	4

NVIDIA-Based PCIe Graphics Card

Ada Lovelace Architecture

Model Name	NVIDIA RTX 2000 Ada	NVIDIA RTX 2000E Ada	NVIDIA RTX 4000 SFF Ada	NVIDIA RTX 4000E Ada
Graphic Core				
Graphic Architecture	NVIDIA Ada Lovelace AD107	NVIDIA Ada Lovelace AD107	NVIDIA Ada Lovelace AD104	NVIDIA Ada Lovelace AD104
GPU	RTX 2000 Ada	RTX 2000E Ada	RTX 4000 SFF Ada	RTX 4000E Ada
Memory	16GB GDDR6 memory,128-bit	16GB GDDR6 memory,128-bit	20GB GDDR6 memory,160-bit	20GB GDDR6 memory,160-bit
Memory Bandwidth	Up to 224 GB/s	Up to 224 GB/s	Up to 280 GB/s	Up to 360 GB/s
ECC Support	Yes	Yes	Yes	Yes
GPGPU Computing				
CUDA® Cores	2,816 CUDA® Cores, 12 TFLOPS SP Peak	2,816 CUDA® Cores, 8.9 TFLOPS SP Peak	6,144 CUDA® Cores,19.2 TFLOPS SP Peak	6,144 CUDA® Cores, 26.7 TFLOPS SP Peak
Tensor Cores	88, 192 AI TFLOPS	88, 71 AI TFLOPS	192, 307 AI TFLOPS	192, 428 AI TFLOPS
RT Cores	22	22	48	48
Compute API	CUDA® Toolkit 11.6, Direct Compute, OpenCL™ 3.0			CUDA® Toolkit 12.2, Direct Compute, OpenCL™ 3.0
Graphics API	Shader Model 6.6, OpenGL® 4.6, DirectX 12, Vulkan® 1.3			Shader Model 6.6, OpenGL® 4.6, DirectX 12, Vulkan® 1.3
Display				
Display Outputs	4x mDP 1.4 digital video outputs (DP++),			4x DP 1.4 digital video outputs (DP++)
	4x 4096 x 2160 @120Hz			4x 4096 x 2160 @120Hz
	4x 5120 x 2880 @60Hz			4x 5120 x 2880 @60Hz
	2x 7680 x 4320 @60Hz			2x 7680 x 4320 @60Hz
Interface	PCIe Gen4 x8*	PCIe Gen4 x8*	PCIe Gen4 x16	PCIe Gen4 x16
Mechanicals				
Dimensions	2.7" x 6.6", Dual slot	2.7" x 6.6", Single slot	2.7" x 6.6", Dual slot	4.4" x 9.5", Single slot
Form Factor	Half-height, Half-length			Full-height, Medium-length
Environmental				
Operating Temperature	0˚C – 45˚C			
Storage Temperature	-40˚C – 75˚C			
Module Power Consumption	70W	50W	70W	130W
SW Support				
	Windows 10/11, Server 2019/2022			

*Utilizes a full-length PCIe x8 interface

NVIDIA-Based PCIe Graphics Card

Ada Lovelace Architecture

Model Name	NVIDIA RTX 4500E Ada	NVIDIA RTX 5000E Ada	NVIDIA RTX 6000E Ada
Graphic Core			
Graphic Architecture	Ada Lovelace AD104	Ada Lovelace AD102	Ada Lovelace AD102
GPU	RTX 4500E Ada	RTX 5000E Ada	RTX 6000E Ada
Memory	24GB GDDR6 memory,192-bit	32GB GDDR6 memory, 256-bit	48GB GDDR6 memory, 384-bit
Memory Bandwidth	Up to 432 GB/s	Up to 576 GB/s	Up to 960 GB/s
ECC Support	Yes	Yes	Yes
GPGPU Computing			
CUDA® Cores	7,680 CUDA® Cores, 39.9 TFLOPS SP Peak	12,800 CUDA® Cores, 65.3 TFLOPS SP Peak	18,176 CUDA® Cores,91.1 TFLOPS SP Peak
Tensor Cores	240	400	568
RT Cores	60	100	142
Compute API	CUDA® Toolkit 12.2, Direct Compute, OpenCL™ 3.0		
Graphics API	Shader Model 6.6, OpenGL® 4.6, DirectX 12, Vulkan® 1.3		
Display			
Display Outputs	4x DP 1.4a		
	4x 4096 x 2160 @120Hz		
	4x 5120 x 2880 @60Hz		
	2x 7680 x 4320 @60Hz		
Interface	PCIe Gen4 x16		
Mechanicals			
Dimensions	4.4" x 10.5", Dual slot		
Form Factor	Full-height, Full-length		
Environmental			
Operating Temperature	0˚C – 45˚C		
Storage Temperature	-40˚C – 75˚C		
Module Power Consumption	210W	250W	300W
SW Support			
OS Support	Windows 11, 10, Server 2019/2022		

NVIDIA-Based PCIe Graphics Card

Ampere Architecture

Model Name	NVIDIA RTX A400	NVIDIA RTX A1000
Graphic Core		
Graphic Architecture	NVIDIA® Ampere™ GA107	NVIDIA® Ampere™ GA107
GPU	RTX A400	RTX A1000
Memory	4GB GDDR6 memory, 64-bit	8GB GDDR6 memory, 128-bit
Memory Bandwidth	Up to 96 GB/s	Up to 192 GB/s
GPGPU Computing		
CUDA® Cores	768 CUDA® Cores, 2.7 TFLOPS SP Peak	2,304 CUDA® Cores, 6.7 TFLOPS SP Peak
Tensor Cores	24, 43.3 TFLOPS	72, 53.8 TFLOPS
RT Cores	6, 5.4 TFLOPS	18, 13.2 TFLOPS
Compute API	CUDA® Toolkit 11.6, OpenCL™ 3.0 Direct Compute	
Graphics API	Shader Model 6.6, OpenGL® 4.6, DirectX 12, Vulkan® 1.3	
Display		
Display Outputs	4x mDP 1.4a	
Interface	PCIe Gen4 x8	
Mechanicals		
Dimensions	2.7” H x 6.4” L, Single slot	
Form Factor	Half-height, Half-length	
Environmental		
Operating Temperature	0˚C – 55˚C	
Storage Temperature	-40˚C – 75˚C	
Module Power Consumption	50W	
SW Support		
OS Support	Windows 11, 10 & Linux Drivers, 64-bit	

NVIDIA-Based Portable GPU

Pocket AI (Ampere Architecture)

Model Name	EGX-TBT-A500
Graphic Architecture	NVIDIA Ampere GA107
GPU Clock	Base Clock:435 MHz, Boost Clock:1335 MHz
CUDA® Cores	2,048
Tensor Cores	64
RT Cores	16
Single-Precision Floating Point (TFLOPS)	6.54 TFLOPS
GPU Memory	4GB GDDR6
Memory Clock	6001 MHz
Memory Interface Width	64-bit
Memory Bandwidth	96 GB/s
TGP	25W*
Interface	Thunderbolt™ 3.0 (PCIe Gen3 x4)
Dimensions	Without Protective Case 106mm x 72mm x25mm With Protective Case 110mm x 76mm x32mm
Weight	250g
NVENC | NVDEC	1x | 2x
Operating System	Windows 11, 10, Linux**
Operating Temperature	0˚C – 45˚C

*Require adapter/charger or power bank with USB power delivery 3.0+ via Type-C connection on 15V and 40W+ supports.

NVIDIA-Based PCIe Graphics Card

Turing Architecture

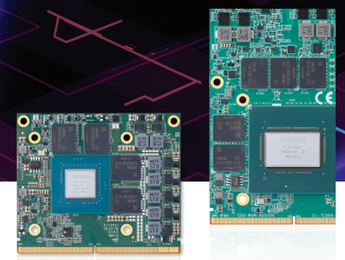
Model Name	Quadro PEG T400E	Quadro PEG T600E	Quadro PEG T1000E
Graphic Core			
Graphic Architecture	NVIDIA® Turing™ TU117		
GPU	NVIDIA T400	NVIDIA T600	NVIDIA T1000
Memory	4GB GDDR6 memory, 64-bit	4GB GDDR6 memory, 128-bit	8GB GDDR6 memory,128-bit
Memory Bandwidth	Up to 80 GB/s	Up to 160 GB/s	Up to 160 GB/s
GPGPU Computing			
CUDA® Cores	384 CUDA Cores,	640 CUDA® Cores,	896 CUDA® Cores,
	1.09 TFLOPS Peak FP32 Performance	1.7 TFLOPS Peak FP32 Performance	2.5 TFLOPS Peak FP32 Performance
Compute API	CUDA® Toolkit 8.0, CUDA® Compute version 6.1, OpenCL™ 1.2		
Graphics API	Shader Model 5.1, OpenGL® 4.6, DirectX 12.0, Vulkan® 1.2		
Display			
Display Outputs	3x mDP 1.4a	4x mDP 1.4a	
	3x 3840 x 2160 @ 120Hz	4x 3840 x 2160 @ 120Hz	
	3x 5120 x 2880 @ 60Hz	4x 5120 x 2880 @ 60Hz	
		2x 7680 x 4320 @ 60Hz	
Interface	PCIe Gen3 x16		
Mechanicals			
Dimensions	2.71" x 6.13", Single slot		
Form Factor	Half-height, Half-length		
Environmental			
Operating Temperature	0˚C – 55˚C		
Storage Temperature	-40˚C – 75˚C		
Module Power Consumption	30W	40W	50W
SW Support			
OS Support	Windows 11, 10 & Linux Drivers, 64-bit		

Intel® ARC™ PCIe Graphics Card

Alchemist Architecture

Model Name	EGX-PCIE-A380E	EGX-PCIE-A580E	EGX-PCIE-A750E
Graphic Core			
Graphic Architecture	Intel® ARC™ Alchemist	Intel® ARC™ Alchemist	Intel® ARC™ Alchemist
GPU	A380E	A580E	A750E
Memory	6GB GDDR6 memory	16GB GDDR6 memory	16GB GDDR6 memory
Memory Bandwidth	112 GB/s	560 GB/s	560 GB/s
GPGPU Computing			
Xe-core	8 Xe-cores, 128 XMX	24 Xe-cores, 384 XMX	28 Xe-cores, 448 XMX
Render Slice	2	6	7
Ray Tracing Units	8	24	28
Supported Technologies	Intel OpenVINO™, DirectX 12, Vulkan® 1.3, OpenGL® 4.6, OpenCL™ 3.0	Intel OpenVINO™, DirectX 12, Vulkan® 1.3, OpenGL® 4.6, OpenCL™ 3.0	Intel OpenVINO™, DirectX 12, Vulkan® 1.3, OpenGL® 4.6, OpenCL™ 3.0
Display			
Display Outputs	4x mDP 1.4a	4x mDP 1.4a	4x mDP 1.4a
Interface	PCIe Gen4 x8	PCIe Gen4 x16	PCIe Gen4 x16
Mechanicals			
Dimensions	69(H) x 171(L) mm, Single slot	TBD	TBD
Form Factor	Half Height, Half Length	TBD	TBD
Environmental			
Operating Temperature	0˚C – 55˚C	0˚C – 55˚C	0˚C – 55˚C
Storage Temperature	-40˚C – 85˚C	-40˚C – 85˚C	-40˚C – 85˚C
Module Power Consumption	50W	130W - 180W	230W
SW Support			
OS Support	Windows 11, 10 & Linux Drivers, 64-bit		

GPU Use Cases



Gaming | Slot Machine

ADLINK GPU Solution: T1000 MXM

The NVIDIA T1000 MXM GPU module combines compact design with robust performance, making it an excellent fit for modern slot machines. Its small MXM form factor allows seamless integration into space-constrained enclosures, while its efficient power profile ensures reliable 24/7 operation. With professional-grade graphics capabilities, it enables high-resolution visuals, smooth animations, and responsive touch interfaces—enhancing player engagement in gaming environments that demand both visual appeal and long-term reliability.

Defense | Rugged Laptop

ADLINK GPU Solution: A500/ RTX3000 MXM

The NVIDIA A500 and RTX 3000 MXM GPU modules offer powerful graphics performance in a thermally efficient, compact form factor—perfect for rugged laptops operating in demanding environments. Designed for long product life cycles, these GPUs support NVIDIA's enterprise-grade driver management and revision control, ensuring consistent performance, stability, and security over time. Their durability, low power draw, and professional driver support make them ideal for mission-critical mobile computing in defense, field engineering, and industrial applications.

Healthcare | Medical C-arm PC

ADLINK GPU Solution: T1000 MXM

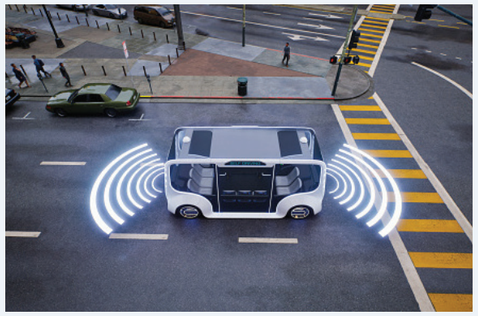
The NVIDIA T1000 MXM GPU module delivers professional-grade graphics performance in a compact, power-efficient design—making it a reliable choice for medical C-arm PCs. Its ability to handle high-resolution imaging, smooth 3D rendering, and real-time visualization supports precise surgical navigation and diagnostics. With long-life availability and stable driver support, the T1000 ensures consistent operation and regulatory compliance in critical healthcare environments.

Automation | Autonomous Agriculture Vehicle

ADLINK GPU Solution: A2000/A4500 MXM

The NVIDIA A2000 and A4500 MXM GPU modules provide the robust AI performance and energy efficiency required for real-time perception, navigation, and decision-making in autonomous agricultural vehicles. Their compact form factors and industrial-grade reliability make them suitable for rugged field conditions, while long product lifecycles and enterprise driver support ensure consistent operation and maintainability over time. These GPUs empower smarter, more efficient farming through edge AI computing and advanced sensor fusion.

Transportation | Autonomous Drvinig System



ADLINK GPU Solution: A4500 MXM

The NVIDIA A4500 MXM GPU module delivers powerful AI and parallel computing capabilities in a compact, rugged form factor—making it a strong fit for autonomous driving systems in buses. It enables real-time sensor fusion, object detection, and decision-making essential for safe navigation in dynamic urban environments. With long-life availability and professional driver support, the A4500 ensures consistent performance, system stability, and ease of integration for fleet-wide deployment.

Networking | Edge AI Deployment Platform

ADLINK GPU Solution: A4500/A1000 MXM

A leading provider of rugged, small-form-factor communication and IT infrastructure for defense, government, and emergency response teams selected ADLINK's A4500 and A1000 MXM GPU modules to power their high-performance edge computing platforms. Designed for deployment in harsh, remote, and tactical environments, these platforms leverage the exceptional reliability, performance, and longevity of ADLINK's MXM modules. The result: robust, real-time capabilities including video encoding, decoding, transcoding, advanced analytics, and object detection -- even in highly dynamic conditions.

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