

RUGGED PORTABLE PANEL PC WITH KEYBOARD

Designed for rugged portable computing applications

- **Chassis:** Rugged Aluminum portable enclosure with rubber corners
- **Display:** 17.3" HD LCD (1920x1080 Resolution), DP connects through on-board rear I/O
- **Touch Screen:** 17.3" Resistive touch glass, single-point touch



Aluminum Chassis



Rubber Corners



17.3" LCD



1920 x 1080



DP Rear I/O



Resistive Touch



Model: ARPW1730-i7-L7

FEATURES

- All-in-one design rugged portable computer
- Compact Size Lightweight Design
- Built-in 17.3", 1920x 1080 LCD display
- Intel Core i7 processor 14700T 33M Cache, up to 5.20 GHz
- Industrial Keyboard multi-language with touchpad
- 2 PCIe (x8) expansion slots
- 32GB DDR5 DIMM (Max. 64GB)
- 1TB Solid State Drive M.2 2280 Internal PCI Express NVMe
- Complimentary carrying bag with wheels

SPECIFICATIONS

Chassis	Rugged Aluminum portable enclosure with rubber corners	
Display	17.3" HD LCD (1920x1080 Resolution), DP connects through on-board rear I/O	
Touch Screen	17.3" Resistive touch glass, single-point touch	
K/B & Mouse	Foldable USA language keyboard w/touchpad	
Mainboard	M11000AF-R-1, LGA1700 R680E Mini-ITX motherboard, 2x DisplayPort, 2x Dual 2.5GbE, 4x SATA, RAID, iAMT (16.1), fTPM (2.0)	
Slots Layout	2 PCI full-length expansion slots, 1 PCI-E (x16) + 1x PCI-E(x1) full-length expansion slot	
CPU Type	Intel® Core™ i7 processor 14700T 33M Cache, up to 5.20 GHz	
Chipset	Intel® R680E Chipset	
Memory	32GB DDR5 DIMM (Max. 64GB)	
LCD Video	On-Board DP, Intel® UHD Graphics 730	
Internal Drives	1TB Solid State Drive M.2 2280 Internal PCI Express NVMe	
Removable Drives	1x 2.5" SATA removable slots	
Rear I/O Ports	2x COM ports: 1x RS232/422/485 + 1x RS232, 2x DP(one reserved for ARP1000's LCD), 6x USB 3.2 connectors(one reserved for USB Wifi adapter), 2x 2.5 Gbit LAN RJ-45, RCA Jack 3x1 for HD audio	
Audio	Realtek® ALC888S High Definition Audio Codec	
LAN	LAN 1: Intel® I226LM, supports 2.5G and iAMT LAN 2: Intel® I226V, supports 2.5G only"	
Optical Drive	Slim DVDRW	
Power Supply	2x 95W Li-ION battery Packs (Hot-Swappable), 100W AC Adapter, up to 4 hours battery life	
Software	Windows 11 Pro 64-bit	
Carrying Bag	Complimentary carrying bag with wheels	
Warranty	Standard one year manufacturing warranty	
Dimension	428.6Wx 110.7Hx 367.5D mm (16.89"x 4.36"x 14.47")	
Cargo Case	630.7 x 301.8 x 500.1 mm Pelican Cargo Case	

ENVIRONMENTAL FACTORS

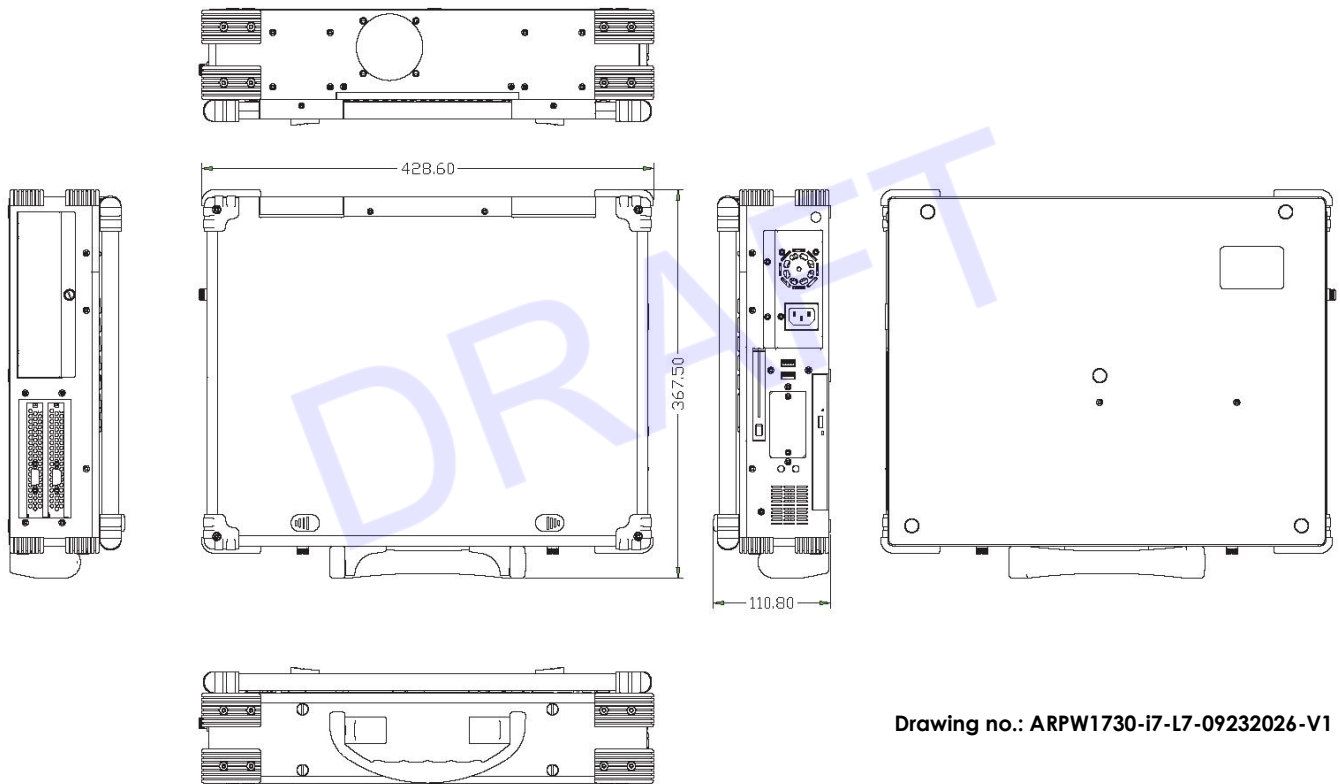
	Operating	Non-Operating
Temperature	0°C~50°C	-20°C~60°C
Relative Humidity	10%~90%	10%~95%
Approval	CE FCC RoHS	

*Specifications subject to change without notice, not responsible for typographical errors.

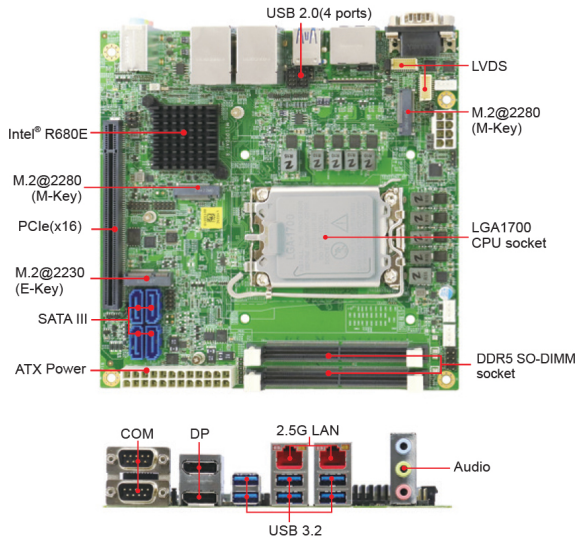


MECHANICAL DRAWINGS

This is subject to change without Notice. Final Drawings Will be Provided for Approval after Order.



MOTHERBOARD



- Intel® Core™ 200E / 200PE & 14th/13th/12th Gen Intel® Core™ DT Processors with Intel® R680E PCH
- 2x DDR5 SO-DIMM sockets, Max. 64GB, support ECC
- Intel® processor integrated graphic Supports eDP, LVDS and 2x DisplayPort (1.4a) (DP++)
- 1x LAN 1: Intel® I226LM, Supports 2.5G and iAMT 1x LAN 2: Intel® I226V, Supports 2.5G
- 6x USB 3.2, 4x USB 2.0, 2x COM, 4x SATA III
- 1x PCIe (x16) [Gen 5.0]; 3x M.2 (1x E-Key for WiFi/BTand 2x M-Key for NVMe)
- Supports Watchdog Timer, Digital I/O, iAMT (16.1), TPM (2.0)

CPU Socket	LGA1700
CPU	Intel® Core™ 200E / 200PE & 14th/13th/12th Gen Intel® Core™ i DT processor
PCH	R680E
Memory	2x DDR5 SO-DIMM sockets, supports DDR5 -5600 memory module , Max. 64GB *DDR5-5600 only by Core i7 Processor & 1R memory module*
BIOS	AMI
Watchdog Timer	256 levels
H/W Monitor	Yes
Storage Device Interface	SATA III & NVMe
Expansion Slots	1x PCIe (x16) [Gen 5.0]
Mini Type Slots	2x M.2 (M-Key, type:2280, PCIe(4x) Gen.4) 1x M.2 (E-Key, type:2230, USB 2.0 + PCIe 3.0)
Graphics Controller	14th Gen Intel® RPL-S Refresh DT processor integrated Xe graphics architecture
Video Output	1x eDP + 2x DisplayPort (1.4a) (DP++) + LVDS
Ethernet	LAN 1: Intel® I226LM , supports 2.5G and iAMT LAN 2: Intel® I226V, supports 2.5G only
I/O Chipset	Fintek F81964D-I
Serial Port	2x COM ports: 1x RS232/422/485 + 1x RS232
USB 2.0	4x USB 2.0 via pin-headers
USB 3.X	2x USB 3.2 (10Gbps)+ 4x USB 3.2 (5Gbps) @edge connector
Serial ATA	4x SATA III
Audio	Built-in HD audio controller + Realtek ALC888S w/ 7.1 channels
TPM	TPM(2.0)
Others	Digital I/O (4-in/4-out), Watchdog Timer, PDPC
Dimensions (L x W)	170mm x 170mm (6.7"x 6.7")
Power Consumption	14th Gen Intel® Core™ i9-14900 w/ 2x DDR5 32GB 5600 +12V:23.17A
Operating Temperature	0°C~60°C (32°F~140°F]
Storage Temperature	-20°C~80°C (-4°F~176°F]
Relative Humidity	90% (non-condensing @60°C)

