



IEC-6700

Edge AI Box PC with Intel® Core™ Ultra Series 3 Processor



Features

- Intel® Core™ Ultra Series 3 Processors (Panther Lake-H)
- 2 x 262-pin SO-DIMM DDR5 7200/6400MHz up to 128GB (64GB per DIMM)
- 1 x USB4/Thunderbolt™ 4, 4 x USB3.2 Gen2, 2 x M.2 Key M, 1 x M.2 Key E (Wi-Fi 7 Module)
- 2 x Intel 2.5 Gigabit LAN
- Supports Quad display, 2 x HDMI 2.1, 1 x DP 2.1 (from USB4), 1 x DP 1.4a (from Type-C)
- Intel® PTT
- Supports Intel® vPro Essentials, VMD RAID 0/1
- 19V/120W Power Adapter
- TAA Compliant

System

CPU	Intel® Core™ Ultra Series 3 Processor (Panther Lake-H Ultra X7 358H, 4P+8E+4LPE)
Memory	2 x 262-pin DDR5 SO-DIMM sockets, supporting 7200MHz up to 128GB (64GB per DIMM)
Graphics	Intel® Graphics
LAN Chipset	1 x Intel® I226LM with 10/100/1000/2500 Mbps, supports vPro 1 x Intel® I226V with 10/100/1000/2500 Mbps
TPM	Intel® PTT
Watchdog Timer	1 ~ 255 levels reset

I/O

Serial Port	1 x RS-232/422/485
USB Port	2 x USB3.2 Gen2 (Type-A) 1 x USB2.0 (Type-A) 1 x USB4/Thunderbolt™ 4 (supports DP2.1 display output) 1 x USB3.2 Gen2x2 (Type-C, supports DP1.4a display output)
LAN	2 x RJ-45 ports
Video Port	2 x HDMI 2.1 Max resolution up to 7680x4320@60Hz 2 x DisplayPort 2.1/ 1.4a, DP++ Max resolution up to 4096x2160@60Hz Supports Quad-Display (Included 2 outputs from Type-C)
Audio	1 x headphone & microphone combo jack
Expansion Slot	1 x Wi-Fi 7 + BT 6.0 (M.2 Key E, 2230 PCIe x1, USB 2.0 and CNVi for Wireless)

Storage

	1 x M.2 (KEY M, 2242/2280) with PCIe Gen5 x4 for SSD
Storage	1 x M.2 (KEY M, 2242) with PCIe Gen4 x4 for SSD Intel® VMD RAID 0/1, supported by identical interface (PCIe)

Environmental

Operating Temp.	0 ~ 50°C (32 ~ 122°F)
Storage Temp.	-40 ~ 85°C (-40 ~ 185°F)
Operating Humidity	5 ~ 90% (non-condensing)
Storage Humidity	5 ~ 90% (non-condensing)
Vibration	1.0 Grms, IEC 60068-2-64, random, 5 ~500 Hz, 1 Oct./min, 1 hr/axis, operation
Shock	Operating 10G (11ms), Non-operating 20G

Qualification

Certification	CE, FCC
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Power Requirement

Power Input	DC 12-24V input
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Mechanical

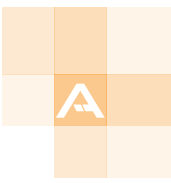
Mounting	VESA mount kit
Weight	515g
Dimensions (W x D x H)	115.4 x 108 x 44.5 mm (4.54" x 4.25" x 1.75")

OS Support

Windows 11 IoT; Linux: Ubuntu

Ordering Information

IEC-6700-358H	Core Ultra Series 3 358H, 16GB RAM, 512GB M.2 SSD
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Dimension

