DS-380

Outdoor Fanless Intelligent PC
Intel® Core™ Ultra 5 Processor



Features

- Intel® Core™ Ultra 5, 125H / 135H
- Dual Channel DDR5 SODIMM, up to 48GB
- 4 x HDMI display output, resolution up to 4K(3840 x 2160), HDMI 1 support 8K (7860 x 4320)
- Rich I/O: 2 x LAN, 4 x USB, 1 x COM, 1 x IR Jack
- AI Frameworks support by 11 Tops NPU
- fTPM 2.0 / optional dTPM 2.0 Chip by project support
- vPro® for enterprise-grade security, high performance, remote manageability
- Support WISE-iVisionSuite

WISE-DeviceOn

Specifications

		DS-3800F-U0A1E	DS-3800F-U1A1E	DS-3800F-U1A2E
Processor	Chipset	Intel® Core™ Ultra 5, 135H (vPro)	Intel® Core™ Ultra 5, 125H	Intel® Core™ Ultra 5, 125H
	BIOS	AMI uEFI 256 Mbit		
Memory	Technology	DDR5 4800/5600Mhz Support		
	Max. Capacity	48GB (24GB per DIMM)		
	Socket	2 x SO-DIMM		
CPU TDP		28W	28W	28W
Thermal Solution		Fanless		
NPU	AI Engine	Intel® AI Boost, 11 TOPs		
Display	Graphics Engine	Intel® Arc™ graphics		
	HDMI Ports	4 x 4K60 (3840 x 2160)		
	HDMI Note	HDMI1 8K60 (7860*4320)		
	CEC	HDMI-CEC		
Ethernet	Controller	i226IT	i226IT	i226IT
	Interface	2.5 Gigabit LAN Controller		
	Connector	2 x RJ-45 (vPro @ LAN1)	2 x RJ-45	2 x RJ-45
I/O Interfaces	Audio	1 x (Line-In/Out or Mic-In)		
	USB	2 x USB 3.2 Gen1, 2 x USB 2.0		
	Serial Port (RS-232)	1 x RS232 (Tx, Rx)		
	LED Indicators	1 x Power, 1 x SSD Access		
	IR Phone Jack	1 x IR Phone Jack		
	Function Port	1 x EDID CLRBTN	1 x EDID CLRBTN	--
Expansion	M.2	2242 M-Key (PCIe x4) 2230 E-Key (PCIe & USB2.0)#1		
Power Requirement	Input Voltage	19 V DC-in (ATX/AT mode)		
Watchdog Timer	Output	Interrupt, system reset		
	Interval	255-level timer interval, setup by software		
Trusted Platform Module	TPM 2.0	fTPM 2.0, Default dTPM 2.0 (NPCT764AABYX), BOM option by project support		
Physical Characteristics	Mounting	Wall Mount		
	Dimensions (W x D x H)	180 x 177 x 38 mm		
	Weight	2 kg		
Environment	Operating Temperature	-10 ~ 50°C (with 0.7m/s air flow)		
	Relative Humidity	95% @40°C (non-condensing), operating		
Operating System	Operating System	Windows 11/10 IoT LTSC		
	Linux	Support by project		
Certifications	EMC	CE/FCC Class B, BSMI, UKCA, CCC		
	Safety	UL, CB, BSMI		

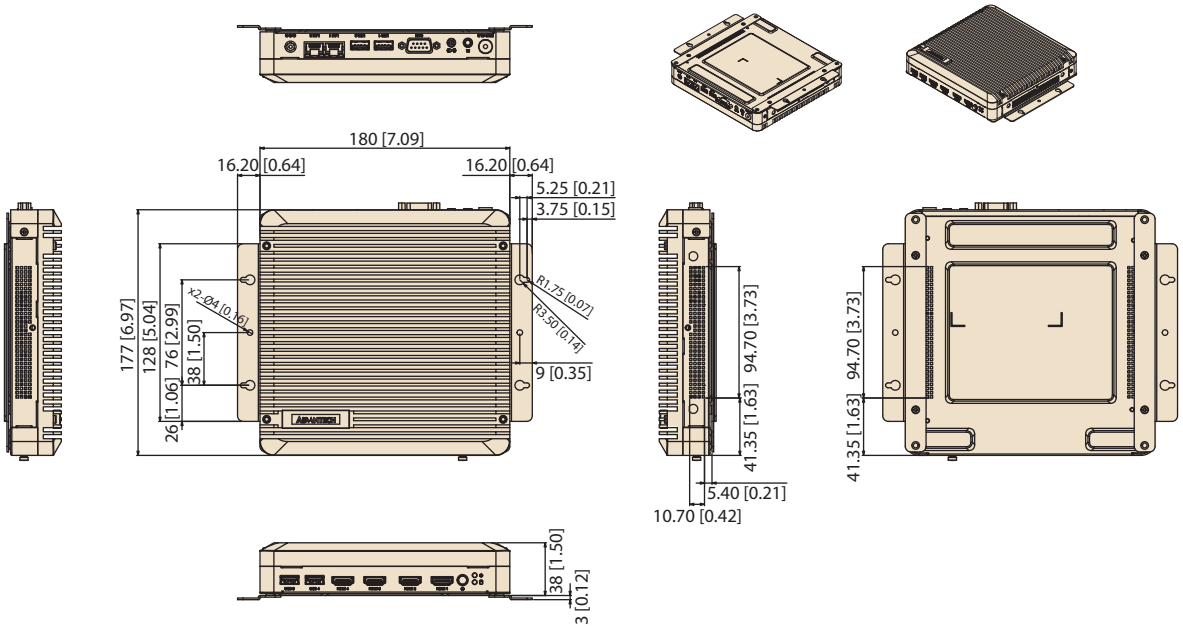
#1 M.2 E key slot are hardware interfaces for wireless communication integration only. RF Certification is not available.

All product specifications are subject to change without notice.

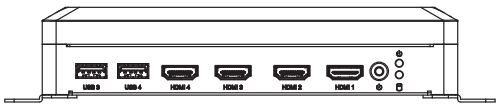
Last updated: 31-Aug-2026

Dimensions

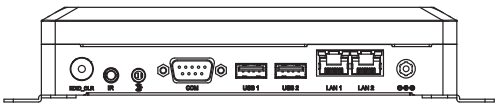
Unit: mm



Front View

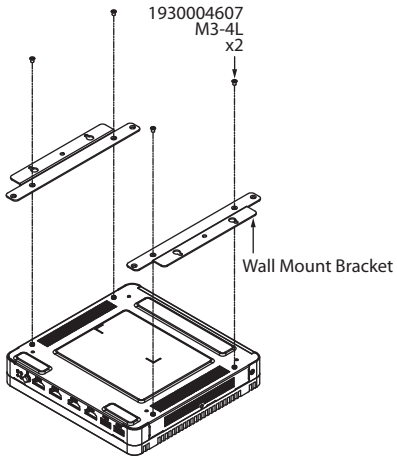


Rear View

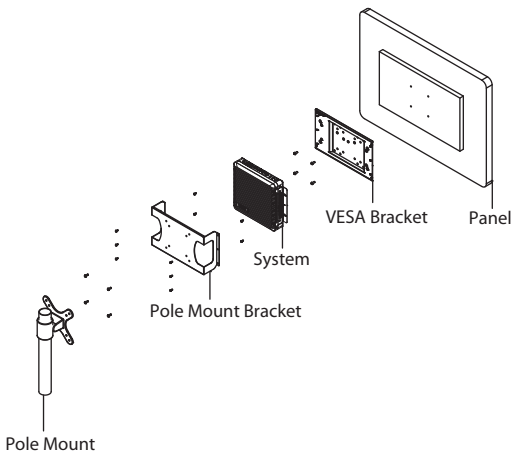


Installation Scenarios

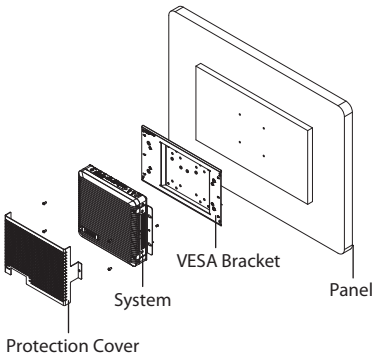
Wall Mount



VESA / Pole Mount Bracket (optional)



Thermal Protection Cover



Ordering Information

Part Name	Description
DS-3800F-U0A1E	DS-380, 135H vPro, 2LAN, EDID, Barebones
DS-3800F-U1A1E	DS-380, 125H, 2LAN, EDID, Barebones
DS-3800F-U1A2E	DS-380, 125H, 2LAN, no EDID, Barebones
DS-3800F-U0A1U	DS-380, 135H vPro, 2LAN, EDID, Barebones, MIT
DS-3800F-U1A1U	DS-380, 125H, 2LAN, EDID, Barebones, MIT
DS-3800F-U1A2U	DS-380, 125H, 2LAN, no EDID, Barebones, MIT

Note: RAM / Storage and Operating System bundled by request

Packing List

Part No.	Description
-	1 x DS-380
-	1 x 19V Power Adapter
-	2 x Wall mount bracket and 4 screws
-	Thermal PAD Kit (3 for DDR5, 1 for SSD, 1 for WiFi)

DRAM and Storage

Part Number	Description
SQR-SD5S8G5K6SNGA	SODIMM DDR5 5600 8GB, Samsung
SQR-SD5S16G5K6SNAA	SODIMM DDR5 5600 16GB, Samsung
SQR-SD5S32G5K6SNAA	SODIMM DDR5 5600 32GB, Samsung
SMI-SD5V8GN56-CC	SODIMM DDR5 5600 8GB, Apacer
SMI-SD5V16GN56-CB	SODIMM DDR5 5600 16GB, Apacer
SMI-SD5V32GN56-CB	SODIMM DDR5 5600 32GB, Apacer
SQF-C4MV2-128GDEDM	PCIe/NVMe M.2 2242 128G
SQF-C4MV2-256GDEDM	PCIe/NVMe M.2 2242 256G
SQF-C4MV2-512GDEDM	PCIe/NVMe M.2 2242 512G
SQF-C4MV4-1TDEDM	PCIe/NVMe M.2 2242 1TB

Note: RAM and storage listed in the table are wide temp. version. Standard temp. options are also available by request.

Embedded OS

Part Number	Description
20706WLV1S0143	Win11 IoT LTSC EN, 64b Value
20706WX1VS0160	Win10 IoT LTSC EN, 64b Value
20706U24DS0066	Ubuntu Desktop 24.04 LTS 64bit

Power Cord

Part Number	Description
1700001524	3-pin power cord (US)
170203183C	3-pin power cord (EU)
170203180A-01	3-pin power cord (UK)
1700008921	3-pin power cord with PSE (Japan)
1700019146	3-pin power cord (CCC)
1700018553	3-pin power cord (AU)
1700024849-01	3-pin power cord (TW)

Optional Items

Part No.	Description
AMK-V025E	DS-380 Mounting Kit (VESA/Pole Mount Bracket / Adapter Kit)
AMK-V026E	DS-380 Thermal Protection Cover Kit (protection cover + wall mount kit)
AIW-170BQ-001	Qualcomm WiFi6E M.2 2230 E key
1751000648-01	1 x Cable Ant. 10mm
1751000635-01	1 x Cable Ant. 20mm
1751000651-01	1 × Antenna (2 pcs/unit); order in multiples of 2.

Note: If Wi-Fi is required, the package must include the module, antenna, and antenna cable.



FCC PS

FCC
PRŮMYSLOVÉ
SYSTÉMY

Dodavatelem tohoto produktu jsou FCC průmyslové systémy s. r. o.

Informace o cenách, dostupnosti a dalších naleznete v našem e-shopu nebo se v případě jakéhokoliv dotazu obraťte přímo na nás.

FCC průmyslové systémy s.r.o.
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FCC průmyslové systémy s.r.o. jsou dodavatelem průmyslové výpočetní techniky zastupující významné výrobce v oblasti průmyslové automatizace a telekomunikační techniky.

- Panelové počítače
- Průmyslové monitory
- Vestavné počítače
- Průmyslové počítače
- Průmyslové tablety a PDA
- Průmyslový Ethernet
- Průmyslové komunikace
- Průmyslové sběrnice
- Průmyslové klávesnice
- Průmyslové SSD a DRAM
- Vzdálená správa
- Meinberg - zdroje času