

DS-330

Outdoor Fanless PC Intel® Atom® Processor x7433RE

Preliminary



Features

- Intel® Atom™ x7433RE, N97, i3 N305 Processor
- Book-sized Fanless System
- 3 Independent Display: HDMI x 2 + USB-C
- Vertical I/O: 2 x LAN, 4 x USB, 2 x COM
- Suitable for outdoor usage: -20 to 60°C wide temperature and 12-24V wide voltage

Trellix Acronis WISE-PaaS/SignageCMS WISE-DeviceOn

Specifications

Processor System	CPU	Intel® Atom™ X7433RE (Amston Lake)	Intel® Atom™ N97 (Alder Lake N)	Intel® Atom™ i3-N305 (Alder Lake N)
	Frequency	1.5GHz	2.0GHz	1.8GHz
	Max. Frequency	3.4 GHz	3.60 GHz	3.80 GHz
	Core	4	4	8
	CPU TDP	9W	12W	15W
	System Chipset	Integrated in CPU		
Memory	Technology	DDR5 4800 MHz		
	Max. Capacity	16GB		
	Socket	Single Slot		
Thermal Solution		Fanless		
Display	Graphics Engine	Intel UHD graphics		
	Output	HDMI 2.0 x 2 + USB-C x 1		
	Max. Resolution	3840x2160 @60Hz		
I/O Interfaces	Ethernet	2 x Intel i226IT (2.5G)		
	USB	USB 3.2 Gen1 x 4 USB-C x 1		
	Serial Ports	5V/12V Powered COM (RS-232, DB9) x 2 (Setting via jumpers; default: 0V)		
	Audio	3.5mm Audio Jack for jack sense (Line-in/out or Mic-in)		
	LED Indicators	1 x Power, 1 x HDD Access		
Storage	M.2	2242 M-Key (SATA/PCIe)		
Wi-Fi & BT	M.2	2230 E-Key		
Power Requirement	Power Management	ACPI 3.0		
	Input Voltage	12 - 24V DC-in (ATX/AT mode)		
Watchdog Timer	Output	Interrupt, system reset		
	Interval	255-level timer interval, setup by software		
Physical Characteristics	Mounting	Wall Mount		
	Dimensions (W x D x H)	180 x 150 x 35 mm		
	Weight	1.2kg		
Environment	Operating Temperature	-20 ~ 60°C (with 0.7m/s air flow)		
	Relative Humidity	95% @ 40°C (non-condensing), operating		
Operating System	Operating System	Windows 11 IoT, Windows 10 IoT		
	Linux	supported by project		
Certifications	EMC	CE/FCC Class B, BSMI, UKCA		
	Safety	UL, CB, BSMI		

Technical drawings of the LAM-10000 module showing dimensions in millimeters:

- Front View:** Shows the module with a width of 150 mm and a height of 110 mm. The top edge features four 15.50 mm wide connectors. The bottom edge has a 6.15 mm wide connector. The right side has a 66 mm wide connector.
- Top View:** Shows the module with a width of 180 mm and a height of 207 mm. The top edge features four 13.50 mm wide connectors. The bottom edge has a 3.50 mm wide connector. The right side has a 6.15 mm wide connector.
- Side View:** Shows the module with a width of 35 mm and a height of 37 mm. The top edge features four 15.50 mm wide connectors. The bottom edge has a 6.15 mm wide connector. The right side has a 66 mm wide connector.
- Bottom View:** Shows the module with a width of 150 mm and a height of 110 mm. The bottom edge features four 15.50 mm wide connectors. The top edge has a 6.15 mm wide connector. The right side has a 66 mm wide connector.

The rear panel of the HP DesignJet 5000 C printer features the following components from left to right: a power button, a power cord inlet, two large parallel ports (labeled 'DB25'), a USB port, a FireWire port, an Ethernet port, a volume knob, and a power switch.

Part No.	CPU	TDP	RAM	Display	LAN	USB	COM (RS-232)	RJ12	M.2	Power Input	Made In
DS-3300F-U0A1E DS-3300F-U0A1U	x7433RE	9W	Up to 16GB	2 x HDMI 1 x USB-C	2 x Intel i226IT (2.5G)	4 x USB 3.2 Gen 1 (5Gbps) 1 x USB-C: Support DP 1.4a + USB 3.2 Gen 1 (5Gbps)	2 x COM: RS-232 (Powered)	1 x RJ12	1 (SATA/PCIex2)	12-24V DC-IN	China
DS-3300F-U1A1E DS-3300F-U1A1U	N97	12W									Taiwan
DS-3300F-U2A1E DS-3300F-U2A1U	i3 N305	15W									China
											Taiwan

Packing List

Part Number	Description
-	1 x DS-330
96PSA-A65W19V1-3	1 x 19V Power adapter

Part Number	Description

Part Number	Description
TBD	Win11 IoT LTSC EN, 64b Entry
TBD	Win10 IoT LTSC EN, 64b Entry

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)

Part Number	Description
	Qualcomm Wi-Fi 6E M 2 2230 E key