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4,654,520 8,078,511
8,901,705 4,346,501
6,805,210 6,688,570



HORUS330-X2

1.5U FANLESS RUGGED SERVER



POWER AUTOMATION COMPUTER

- MIL-STD 810G Compliance
- Intel® Xeon® D-1548 Processor
- 2 x DDR4 SO-DIMM up to 32GB RAM
- 4 x Intel® Gigabit Ethernet
- 2 x CAN bus
- 4 x USB, 1 x COM
- 9V to 36V DC-in
- Operating Temp. -20~50°C

Specifications

SYSTEM

CPU	Intel® Xeon® Processor D-1548 (12M Cache, 2.00 GHz), 8 Core, 16 Thread
Memory type	2 x DDR4 SO-DIMM up to 32GB (supported ECC function)
Expansion Slot	1 x 2280 M.2 (SATA signal)

DISPLAY

GPU	NVIDIA GeForce GTX950M/1050TI
Display Port	Resolution up to 3840 x 2160

STORAGE

2.5" HDD/SSD	2 x 2.5" HDD/SSD
M.2	1 x 2280 M.2 (SATA Signal) up to 1TB

ETHERNET

Ethernet	4 x Intel Gigabit Ethernet LAN Interfaces (10/100/1000Mbps)
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REAR I/O

Display Port	2 x DisplayPort (From NVIDIA GeForce GTX 950M/1050TI)
VGA	1 x VGA (Only on GTX950M Model)
Ethernet	4 x RJ45 Gigabit Ethernet LAN
Serial Port	1 x DB9 connector (RS-232/422/485) { 2 x DB9 connector (RS-232/422/485) Only on GTX1050TI Model }
CAN bus	2 x DB9 connector
USB Port	4 x USB3.0 standard-A connectors
DC-IN	2 x 4P Rugged Terminal connector

FRONT I/O

2.5" SSD/HDD Tray	2 x 2.5" SSD/HDD Tray
LED Indicator	1 HDD LED
Power Button	1

APPLICATIONS, OPERATING SYSTEM

Applications	Commercial and Military Platforms Requiring Compliance to MIL-STD-810G Embedded Computing, Process Control, Intelligent Automation and manufacturing applications where Harsh Temperature, Shock, Vibration,
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Altitude, Dust and EMI Conditions.

Operating System	Windows Server 2012 (64-bit), Windows 10 (64-bit), Windows 7 (64-bit) Ubuntu14.04, Ubuntu 16.04,
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PHYSICAL

Dimension (W x D x H)	342.0 x 228.4 x 83.6 mm
Weight	>6.20 kg
Chassis	Aluminum Alloy, Corrosion Resistant.
Finish	Anodic aluminum oxide (Color Iron gray)
Cooling	Natural Passive Convection/Conduction, No Moving Parts.
Power Requirement	9~36V DC for System, 12V DC for MXM Graphic card
Operating Temp.	-20 ~ +50°C (ambient with air flow)
Storage Temp.	-40 ~ +85°C

ENVIRONMENTAL

MIL-STD-810G Test	Method 507.5, Procedure II (Temperature & Humidity) Mthod 501.5, Procedure I (Storage/High Temperature) Method 501.5, Procedure II (Operation/High Temperature) Method 502.5, Procedure I (Storage/Low Temperature) Method 502.5, Procedure II (Operation/Low Temperature) Method 503.5, Procedure I (Temperature shock)
Shock & Vibration	Vibration: Operating, 3G random, 5~500Hz Shock: Operating, 25G, half sine wave
Reliability	No Moving Parts; Passive Cooling Designed & Manufactured using ISO 9001/2000 Quality Program
EMC	CE and FCC compliance
Green Product	RoHS, WEEE compliance

Ordering Information

Horus330-X2-950

MIL-STD-810G Rugged Computer with Intel® Xeon® D-1548, NVIDIA GeForce GTX950M GPU, 9V to 36V DC-in, Extended Temp -20 to 50°C

Horus330-X2-1050TI

MIL-STD-810G Rugged Computer with Intel® Xeon® D-1548, NVIDIA GeForce GTX1050TI GPU, 9V to 36V DC-in, Extended Temp -20 to 50°C