



LAND



SEA



AIR

HORUS430-X1

GPGPU-BASED RADAR SUBSYSTEM BY
NVIDIA QUADRO AND INTEL I7-9700



- Intel® Core™ i7-9700 Processor
- NVIDIA MXM Graphic Engine support up to GTX1080 (8GB-GDDR5X, CUDA 2560)
- Extreme Temperature -20~+55 degree
- MIL-STD 461/1275 EMI Filter 18V~36V
- DTL38999 Military Connector

Specifications

SYSTEM

CPU	Intel® Core™ i7-9700 Processor(8 Core, 3.00GHz, Up to 4.70Ghz)
Memory type	2 x DDR4 up to 64GB

DISPLAY

GPU	NVIDIA MXM Graphic Engine support up to GTX1080 (8GB-GDDR5X, CUDA 2560)
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STORAGE

HDD/SSD	2 x 2.5" Easy swap HDD/SSD Tray
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ETHERNET

Ethernet	1x Intel® i210IT Gigabit Ethernet 1x Intel® i219LM Gigabit Ethernet
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REAR I/O

USB	1 x MIL-38999 22Pin connector (Amphenol TV07RW-13-35S)
LAN	4 x MIL-38999 22Pin connector (Amphenol TV07RW-13-35S)
COM	1 x MIL-38999 22Pin connector (Amphenol TV07RW-13-35S)
DVI	2 x MIL-38999 22Pin connector (Amphenol TV07RW-13-35S)
Power	1 x MIL-38999 4Pin connector (Amphenol TV06RW-11-54S)

FRONT I/O

Storage Device	2 x 2.5" Easy swap HDD/SSD Tray
Power Button	1 x Power Button with LED backlight
Ground Screw	1 x M4 Screw

OS SUPPORT LIST

Windows	Windows 10
Linux	Fedora 20 、Ubuntu 13.04 、Ubuntu 13.10 、Ubuntu 14.04

MECHANICAL

Power Requirement	12V DC-IN
Dimension	450 x 483 x 88 mm (W x D x H)
Weight	10.6 KG
Ingress Protection	IP54 (IP65 Optional)
Operating Temp.	-20 to 55°C
Storage Temp.	-40°C to 85°C
Relative Humidity	5% to 95%, non-condensing

ENVIRONMENT

MIL-STD-810F Test	Operating Tests		
	Low Temperature	Method 502.4 Procedure 2	-20°C (Cold Boot) -40°C (Continue Operating)
	High Temperature	Method 501.4 Procedure 2	+55°C
	Humidity	Method 507.4	5 x 48 hour cycles
	Vibration	Method 514.5 Category 4	10—500Hz 1.04Grms
	Shock	Method 516.5	40G 11mSec TPS 3 axis
	Altitude	Method 500.5 Procedure 2	-1,000m to +12,000m
	Non-Operating Tests		
	Shock	Method 516.5	40G 11ms TPS 3 axis
	Low Temperature Storage	Method 501.4	-40°C
	High Temperature Storage	Method 502.4 Procedure 1	+75°C
	Vibration	Method 514.5 Category 24 fig 514.5C-17	20 to 1000Hz @ 0.02g ² /Hz falling @ -6dB to 2000Hz
	Altitude	Method 500.5 Procedure 2	-1,000m to +12,000m
EMC	CE, FCC compliant		
Green Product	RoHS, WEEE compliance		

Dimension

