

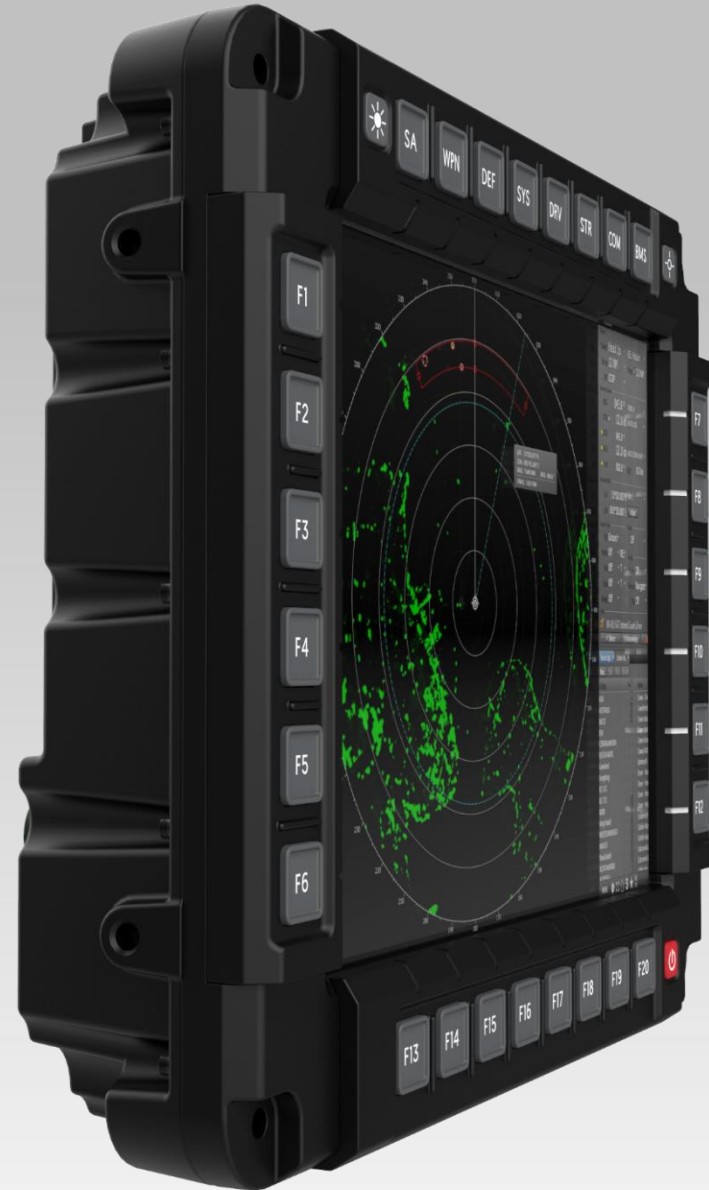
# XR12 ID



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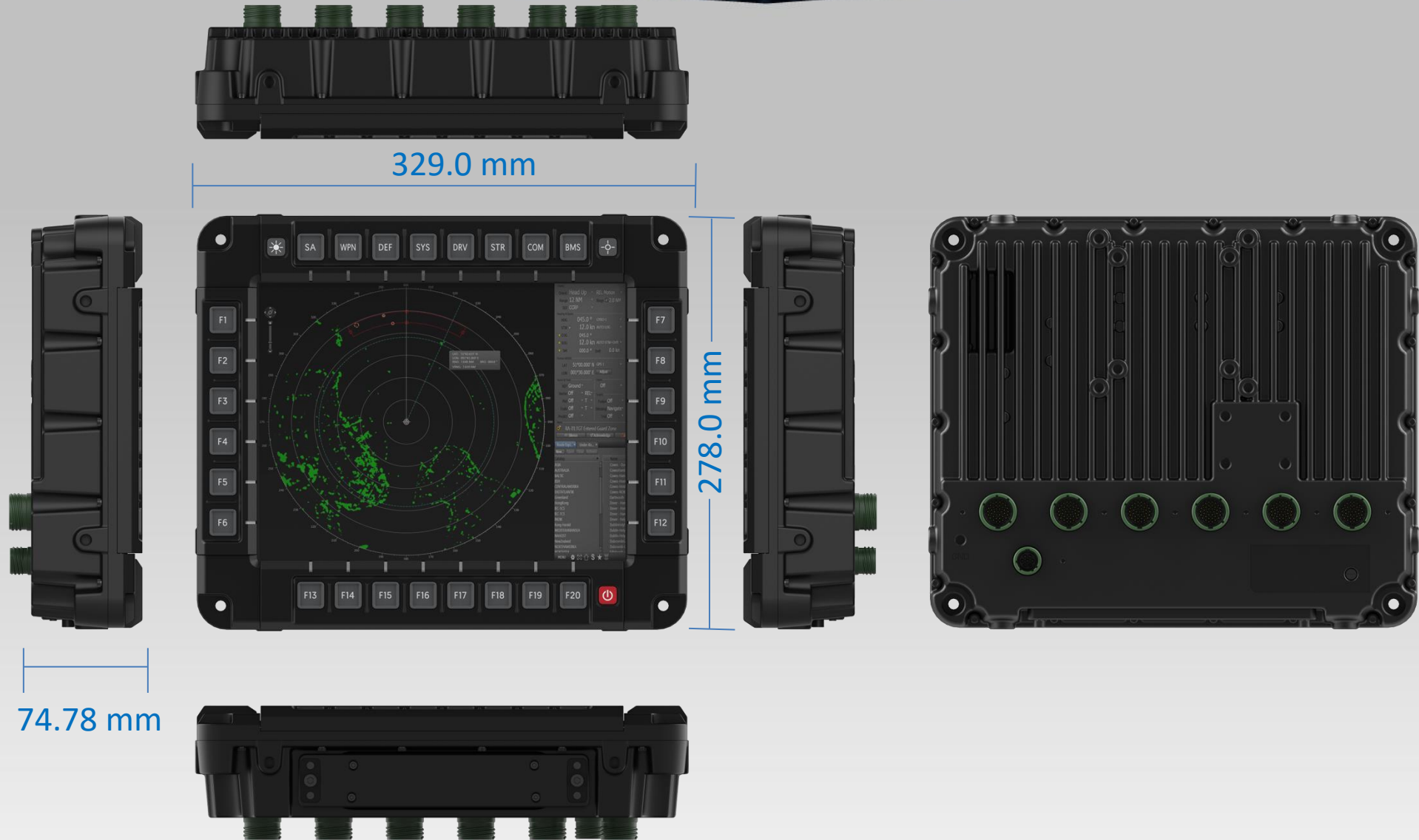


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# XR12 SPEC

System & Memory	
Processor	Intel® Coffee Lake R™ i7-9850HL 6 core, 1.9GHz
Chipset	Mobile Intel® CM246 Chipset/TPM2.0
RAM	DDR4 16GB: Onboard DDR4 16GB
Display	
Size	12"
Resolution	1024x768
Aspect ratio	4:3
Touch Type	MULTI Touch, w/ AG film
Brightness (before TP)	1000 with Night Vision Capability
OS	
OS	Windows 10 IoT LTSC
I/O and Communications	
Video Out	VGA & DVI-D
DIO	DI x8 & DO x8
CANBUS	CANBUS x 2
USB	USB 2.0 x6
RS-232	RS232 x 4
RS-422/RS-485	RS-422/RS-485 x 2
Ethernet	GbE x2

Storage	
Type	SSD, M.2 2280 x 1 SATA, MLC
Capacity	M.2 2280: 1TB/512GB
Handling	Removable storage tray
Keys	
Standard keys	Power, Brightness UP/Down
Functional keys	28 physical keys
Key Type	Rubber with LED indicator, can be disable via SW
MXM	
Graphic enhancement	MXM 3.0 Type A slot x1



Environmental	
High Temp. (Operating)	MIL-STD-810H Method 501.7 Procedure II, +71°C, 3x24hrs
High Temp. (Storage)	MIL-STD-810H Method 501.7 Procedure I, +81°C, 7x24hrs
Low Temp. (Operating)	MIL-STD-810H Method 502.7 Procedure II, -40°C, 24hrs
Low Temp. (Storage)	MIL-STD-810H Method 502.7 Procedure I, -46°C, 24hrs
Humidity	MIL-STD-810H Method 507.6 Procedure II 5% to 95% non-condensing
Shock	MIL-STD-810H Method 516.8 Procedure I 40G, 11ms (OP) MIL-STD-810H Method 516.8 Procedure V 75G, 6ms (Non-OP)
Vibration	MIL-STD-810H Method 514.8 Category 4, -514.8C-2 Common carrier (US highway truck vibration exposure) -514.8C-4 Composite two-wheeled trailer -514.8C-6 Composite wheeled vehicle. MIL-STD-810H Method 514.8 Category 24, -514.8E-1 (General minimum integrity exposure)
Operating Altitude	MIL-STD-810H 500.6 Procedure II, 20,000 ft.
Storage Altitude	MIL-STD-810H 500.6 Procedure I, 40,000 ft.
Salt Fog	MIL-STD-810H Method 509.7, 5% 96 hrs
Dustproof	IEC 60529 IP6X
Waterproof	IEC 60529 IPX8
Power	
Input Voltage	16 ~ 40VDC (28VDC Nominal)
Power Consumption	120Watt (without MXM module); 150 Watts with MXM GPU module

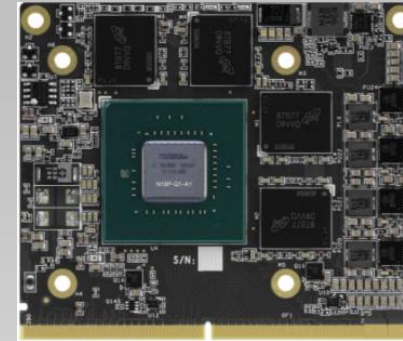
EMC	
EMI	MIL-STD-461G(CE101, CE102, CS101,CS114, CS118, RE102)
Power	MIL-STD-1275E 5.3.1.1-Operational voltage range 5.3.1.2-Voltage ripple 5.3.2-Starting operation 5.3.3.1.1-Injected voltage spikes 5.3.3.2.2-Emitted surges 5.3.4-Reverse polarity
ESD	±8kV contact discharge, ±15kV air discharge
Others	
Ignition	Yes
Air Exchange	Water-Proof Air exchange hole with PTFE
Grounding	M6 screw hole without painting
Accessories	
	AC to DC power adapter with long cable



## 🏠 MXM

- ◇ Video Processing
- ◇ NVidia GPU
- ◇ AI

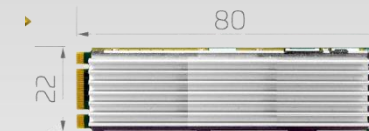
UT-MXM-GT1050



## 🏠 Video Capture

- ◇ 2 Channel 3G-SDI Capture
  - 2 x 3G-SDI video in, 2xSDI ( Loop-Through ) Video Output
- ◇ 2~4 Channel 1080P30 TVI / CVI / AHD / CVBS Capture
  - 2 x TVI/CVI/AHD/CVBS video in

UT-M2-SC400N2 SDI



UT-Mie-SC400N4 TVI



# Reference Quotation – XR12

Date of quotation: April 29<sup>th</sup> , 2022

Configuration	XR12 12" (4:3)	<ol style="list-style-type: none"> <li>1. Intel Coffee Lake R™ i7 9850HL 6 core, 1.9GHz</li> <li>2. XR12 12" ( 1024 X 768 )</li> <li>3. AMR multi-touch, W/AG Film</li> <li>4. High brightness 1,000 nits</li> <li>5. 16GB DDR4-2400Mhz soldered onboard</li> <li>6. M.2 2280 128GB SSD x 1</li> <li>7. Low Latency 3G-SDI X 2 inputs ( with loop-through output X 2 )</li> <li>8. Low latency TVI/CVI/AHD/CVBS X 2 inputs</li> </ol> <p>( Detail Spec, please refer to our proposal )</p>
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Options		
(1)MXM GPU Module Option	(A)	MXM NVIDIA GeForce GT 1030
	(B)	MXM NVIDIA GeForce GTX 1050
	(C)	MXM NVIDIA Quadro P1000
(2) Upgrade to 32GB RAM		16GB SODIMM DDR4-2400Mhz
(3)SSD Option	(A)	up to 256GB SSD Wide Temp M.2 2280 128GB SSD x 1
	(B)	up to 512GB SSD Wide Temp M.2 2280 256GB SSD x1
	(C)	up to 1TB SSD Wide Temp M.2 2280 512GB SSD x 1

