



All specifications subject to change without notice

VMD-10403-PC

10.4" Military Panel PC

FEATURES:

- ▶ 10.4" COLOR LCD
- ▶ RESOLUTION 1024 x 768
- ▶ HIGH BRIGHTNESS FOR SUNLIGHT READABLE
- ▶ SEALED, FANLESS DESIGN
- ▶ RESISTIVE TOUCH WITH AG FILM
- ▶ DESIGNED FOR ALL MILITARY USE
- ▶ DESIGNED AND BUILT TO MEET MIL-STD-810G, MIL-STD-461F



Hardware Specifications

System & Memory	
Processor	Intel® SkyLake™ i7-6822EQ 4 core, 2.0GHz
Chipset	Intel® QM170 / TPM 2.0
RAM	XRDIMM 300-pin, DDR4-2133 8GB, up to 16GB
Display	
Size	10.4"
Resolution	1024x768
Aspect ratio	4:3
Touch Type	AMR resistive, 10-point, w/ AG film
Bonding Type	Optical, Mesh
Brightness (before TP)	1300 nits
OS	
OS	Windows 10 IoT LTSB/LTSC
I/O and Communications	
Video out	VGA & DVI-D
Audio out	Line-in, Line-out, Mic-in
Ethernet	GbE x4
USB	USB 2.0 x6
RS-232	4
RS-422/RS-485	4 (isolated)
CANBus V2.0b	2
GPIO	8
DIO	DI x8 & DO x8
Storage	
Type	SSD, M.2 2242, SATA, MLC
Capacity	128~512GB
Quantity	2
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
Expansion	
Video	MXM 3.0 Type A slot x1
Others	mini-PCIe slot x 2

Environmental	
High Temp. (Operating)	MIL-STD-810G CHG-1 501.6 Proc II, +55°C
High Temp. (Storage)	MIL-STD-810G CHG-1 501.6 Proc I, +71°C
Operating Temp	MIL-STD-810G CHG-1 502.6 Proc II, -40°C
Storage Temp	MIL-STD-810G CHG-1 502.6 Proc I, -46°C
Humidity	MIL-STD-810G CHG-1 507.6 Proc II, 5% to 95% non-condensing
Shock	MIL-STD-810G CHG-1 516.7, Proc I 40G, 11ms (OP) MIL-STD-810G CHG-1 516.7, Proc V 75G, 6ms (Non-OP)
Vibration	MIL-STD-810G CHG-1 514.7, Cat.4, 24 - 514.7C-2 Common carrier - 514.7C-3 Composite two-wheeled trailer - 514.7C-4 Composite wheeled vehicle - 514.7E-1
Operating Altitude	MIL-STD-810G CHG-1 500.6 Proc II, 20,000 ft.
Storage Altitude	MIL-STD-810G CHG-1 500.6 Proc I, 40,000 ft.
Salt Fog	MIL-STD-810G CHG-1 509.6, 5% 96 hrs
Dustproof	IEC 60529 IP6x
Waterproof	IEC 60529 IPx7
EMC	
EMI	MIL-STD-461F
Power	MIL-STD-1275E
ESD	±8kV contact discharge, ±15kV air discharge
Power	
Input Voltage	16 ~ 40VDC (28VDC Nominal)
Power Consumption	120Watt (without MXM module)
Physicals	
Height	10.94 Inches [278mm]
Width	12.95 Inches [329mm]
Depth	2.75 Inches [70mm]
Weight	14.1 Pounds [6.4kgs]
Mounting	
	Console / Panel / VESA