

Military Grade Rugged Portable Panel PC Intel Core Duo 8.4" Full NEMA4 Wide Temperature and Dust/water resistant Protection

Model: WMRDPC0840M2-ICD



Features:

- Low Power but High Performance Intel® Core 2 Duo 1.06GHz, Core Duo 1.2GHz, Celeron M 1.2/1.06GHz CPU Fanless Design
- High Quality 8.4" Panel, 1024x768 Resolution
- Full IP65 Dust/water resistant Protection (Except I/O parts)
- Aluminum Housing with Anti-Corrosion Treatments
- Anti-Shock and Vibration Standard according to MIL810F & IEC60068-2-27
- 5 Wire Resistive Touchscreen / Anti-Reflection Protection Glass (Optional)
- 802.11b/g Wireless LAN with Antenna(Optional)
- Wide Range 8 to 36V DC Input Acceptable(Optional)
- Transflective Sunlight Readable(Optional)
- Extended Wide Temperature Range(Optional)

Display Specification

Model Name	WMRDPC0840M2-ICD
Viewable Size Image	8.4 inch
Active Display Area(mm)	171.264 (H) x 128.448 (V)
Pixel Pitch(mm)	0.16725 (H) x 0.16725 (V)
Number of Pixels	1024x768
Contrast Ratio	400:1 (typ.)
Brightness(cd/m2)	300 (typ.)
Display Color	260K (6bits/color)
Viewing Angle(CR>=10)	-65~65 (H); -50~60 (V)
Synchronization Range_(H) / (V)	31.5~60.0KHz / 60~75Hz
Recommended Resolution	1024x768@60Hz, 75Hz
Touch(Optional)	4 Wire Resistive(Default)/ 5 Wire Resistive

System Specification

Processor	Intel® Core 2 Duo 1.06GHz, Core Duo ULV 1.2GHz, Celeron M ULV 1.2/1.06GHz
BIOS	AMI 4Mbit Flash
System Chipset	Intel® 945GSE / ICH7M Chipset
System Memory	1 x SODIMM, Max 2GB DDR2 667/533
Wireless (Optional)	Mini PCI base Wireless LAN card with SMA antenna
Lan Controller	Dual Realtek RTL8111B GigaLAN
Storage	4G Compact Flash Card
Expansion Slot	1 x Mini PCI, 1 x CF

I/O Connectors

Back Panel I/O Port	2 x RJ-45(10/100/1000 Mbps), 1 x PS/2, 1 x VGA(DB-15), 1 x Military Grade Lockable (MS27467T9F98S) Power Connector, 2x USB 2.0, 1x for RS232/422/485*(Optional), WLAN antenna SMA in top(Optional)
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i-Tech Company LLC

TOLL FREE: (888) 483-2418 • EMAIL: info@itechlcd.com • WEB: www.iTechLCD.com

In front Control

Control Button	Power On/ Off Reset Brightness Up Brightness Down
Led indicator	Power On/ Off HDD Status

Mechanical and Environment

Dimensions (W x L x H)	277 x 219.5 x 59.7 mm
Power Input	12V DC / MIL-grade connector
Power Consumption	54.5W typ.
Operation Temperature	-10 deg.C to 55 deg.C
Operation Humidity	10% to 95% (non condensing)
Shock*	Operating:30g for 18ms, 300m/s ²
Vibration*	Operating: 1.60/1.96/2.18 g rms for XYZ / 5-500Hz
*When use SSD or Industrial Compact Flash	
Certifications	CE, FCC ClassB MIL810F/ IEC60068-2-27 for Vibration /Shock

Product Option Items

Mounting Bracket and Kits	One robust bracket with locking handle (Can adjust from -5deg. to 90deg.)
Operation System	Windows XPembedded, Windows XP, Windows CE 6.0, Linux 2.6.11
Storage	4G Industrial Compact Flash Card
Sunlight Readable	Transflective film enhancement (Optional)
Wide Temperature	Extended temperature -20 to 60 deg. C module build-in for optional
Touch / Anti-reflective Glass	3mm Anti-reflective Protection Glass (w/o Touch)
Terminal Block	Pluggable 3pin terminal block power input
Wide Power Input Range	8V to 36V wide range acceptable for optional

*If you use SBC on-board RS485, you need to set appropriate state of RTS line before sending/receiving data in your software program. We offer additional board that can perform auto-direction hardware function.

