

# Military Grade Rugged Portable Panel PC Intel Core Duo 10.4" Full NEMA4 Wide Temperature and Dust/water resistant Protection

Model: WMRDPC1040M3-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 10.4" Panel, 640x480 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	WMRDPC1040M3-ICD
Viewable Size Image	10.4 inch
Active Display Area(mm)	210.4 (H) x 157.8 (V)
Pixel Pitch(mm)	0.0685 (H) x 0.2055 (V)
Number of Pixels	1024x768
Contrast Ratio	1200:1 (typ.)
Brightness(cd/m2)	350 (typ.)
Display Color	16.2M (6bits+FRC)
Viewing Angle(CR>=10)	-88~88 (H); -88~88 (V)
Synchronization Range_(H) / (V)	31.5~60KHz / 60~75Hz
Recommended Resolution	1024x768@60Hz, 75Hz
Touch(Optional)	5 Wire Resistive/ IR Touch

## 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	2.5" 80G HDD
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), Line in, Line out, Micro in WLAN antenna SMA in top(Optional)
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## 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	66W typ.
Operation Temperature	-10 deg.C to 55 deg.C
Operation Humidity	10% to 95% (non condensing)
Shock*	Operating:30g for 18ms, 300m/s <sup>2</sup>
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 XP, Embedded, Windows CE 6.0, Linux 2.6.11
Storage	2.5" Automobile 40G HDD, 2.5" 4G Flash Disk (SSD), 4G Industrial Compact Flash Card
Sunlight Readable	Transflective film enhancement (Optional)
Wide Temperature	Extended temperature -20 to 60 deg. C module build-in (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.