



WP-2241M-CE7

Standard PAC with Cortex-A8 CPU, WinCE 7.0,
1 I/O Bus, Matel Case

Features

- Cortex-A8, 1 GHz CPU
- Windows CE 7.0 Professional
- 512 MB SDRAM and 256 MB Flash
- 64-bit Hardware Serial Number
- Hard Real-Time Capability (RTC)
- I/O Expansion Bus
- 10/100/1000M Dual Ethernet Ports
- 4 Serial Ports (RS-232/485)
- Operating Temperature: -25 to +75 ° C



Introduction

The WP-2241M-CE7 are equipped a Cortex-A8 CPU (1 GHz) and running a windows CE.NET 7.0 operating system. The optional I/O expansion board, XV-board, provides high-protection I/O. Using the built-in Flash and microSD, the WP-2241M-CE7 can save application program, image file and data.

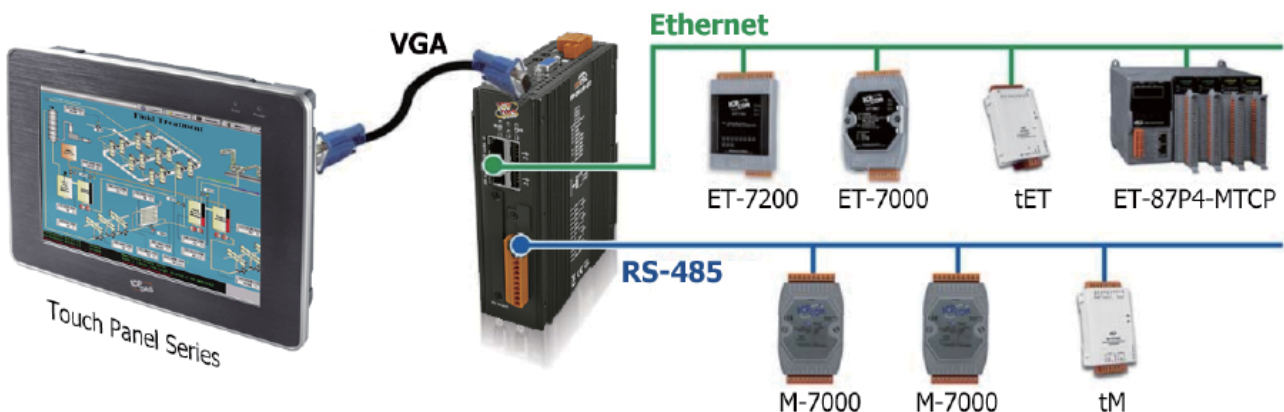
Windows CE 7.0



Windows CE 7.0 is a compact and real-time OS used to quickly create time critical and high performance applications. Using Windows CE 7.0 gives an ability to run PC-based control software such as Visual Basic .NET, Virtual C#.

- FTP Server
- Web Server
- SQL Compact Edition 3.5
- .NET Compact Framework 3.5
- Virtual CE Pro (VCEP)

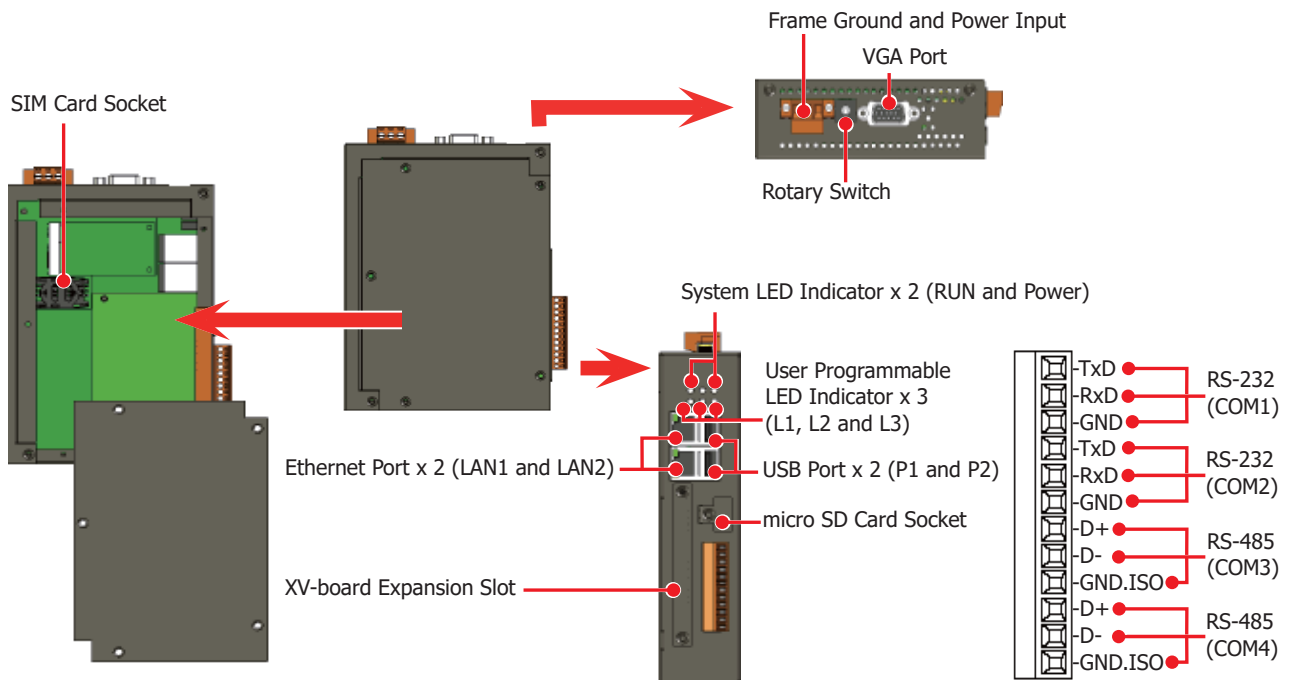
Applications



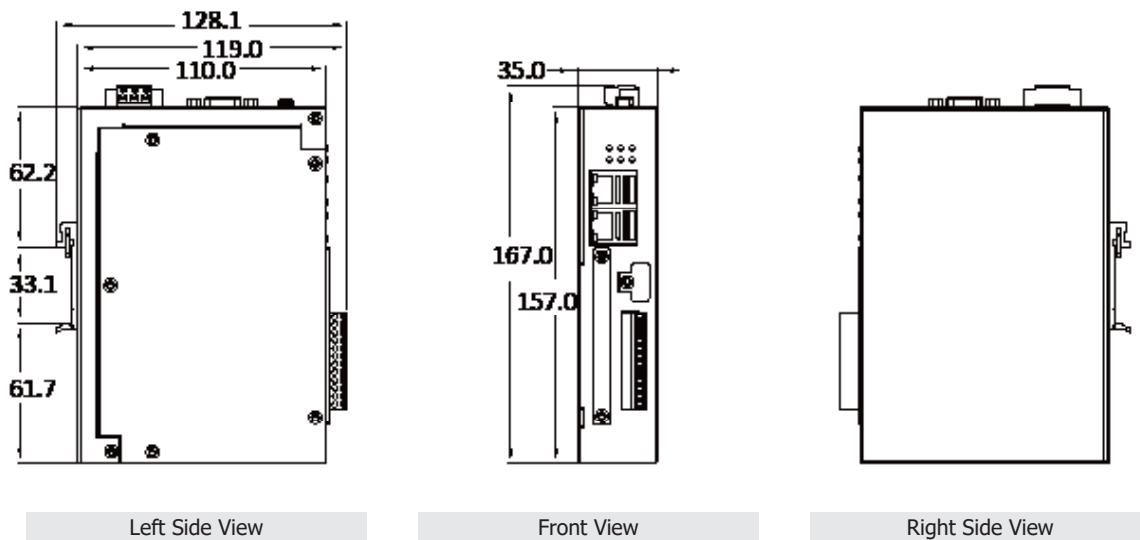
Specifications

| Model | WP-2241M-CE7 |
|--------------------------------------|---|
| System Software | |
| OS | Windows CE 7.0 Professional |
| Framework Support | 3.5 |
| Service | FTP server, Web server |
| SDK | Dll for Visual Studio.Net 2008 |
| Multilanguage Support | English, German, French, Spanish, Russian, Italian, Korean, Simplified Chinese, Traditional Chinese |
| CPU Module | |
| CPU | Cortex-A8, 1GHz |
| SDRAM | 512 MB DDR3 |
| Flash | 256 MB |
| FRAM | 64 KB |
| Storage | 4 GB microSD card (up to 32 GB) |
| RTC (Real Time Clock) | Provide seconds, minutes, hours, dates, day of week, month, year |
| 64-bit Hardware Serial Number | Yes, for software copy protection |
| Watchdog Timer | Dual Watchdog Timer |
| Rotary Switch | 1 x 10 Position (0 ~ 9) |
| LED Indicators | 1 x System, 1 x Power, 3 x Programmable |
| VGA & Communication Ports | |
| VGA Resolution | 640 × 480, 800 × 480, 800 × 600, 1024 × 768 |
| Ethernet | 2 x RJ-45, 10/100/1000 Based-TX (Auto-negotiating, Auto MDI/MDI-X, LED indicators) |
| USB 2.0 (host) | 2 |
| COM 1 | RS-232 (RxD, TxD and GND); Non-isolated |
| COM 2 | RS-232 (RxD, TxD and GND); Non-isolated |
| COM 3 | RS-485 (Data+, Data-); 2500 VDC isolated |
| COM 4 | RS-485 (Data+, Data-); 2500 VDC isolated |
| I/O Expansion | |
| I/O Expansion Bus | One optional XV-board |
| Mechanical | |
| Casing | Metal |
| Weight | 600 g |
| Ingress Protection Rating | IP30 (Aluminum) |
| Dimensions (W x L x H) | 35 mm x 167 mm x 119 mm |
| Installation | DIN-Rail Mounting |
| Environmental | |
| Operating Temperature | 25 ~ +75 °C |
| Storage Temperature | -40 ~ +80 °C |
| Ambient Relative Humidity | 10 ~ 90 % RH, Non-condensing |
| Power | |
| Input Range | +12 ~ 48 VDC |
| Consumption | 4.8 W (0.2 A @ 24 VDC) |

Appearances



Dimensions (Units: mm)



Ordering Information

| | |
|------------------------|--|
| WP-2241M-CE7 CR | Standard PAC with Cortex-A8 CPU, WinCE 7.0, and 1 I/O Bus, Matel Case (RoHS) |
|------------------------|--|

Accessories

| | |
|-----------------|----------------------------|
| XV-Board | Add-on I/O Expansion Board |
|-----------------|----------------------------|