



Features

- 7", 8.4", 10.4", 12.1" and 15" TFT LCD
- Cortex-A8 720 MHz/1 GHz CPU
- CE7 (Windows Embedded Compact 7)
- Hard Real-Time Capability
- Support eLogger HMI (free)
- PoE (Power over Ethernet)
- NEMA 4/IP65 Compliant Front Panel
- Ultra-Rugged Construction and Reliable Design
- Operating Temperature: -10 °C to +60 °C



Introduction

The VP-x201-CE7 are CE7 based ViewPACs that combine computing, I/O, and operator interface into a single unit, and provide the perfect solution for integrating HMI, data acquisition and control in an individual PAC. It is equipped with an Cortex-A8 CPU, TFT LCD and a variety of connectives including dual Gigabit Ethernet, USB port, RS-232 and RS-485 interface. I/O expansion is available to use our Ethernet I/O modules and RS-485 I/O modules. Designed for panel mount installation, the front panel is NEMA 4/IP65 rated and can withstand sprayed water, humidity and extreme dust. Designed to operate over a wide -10°C to 60°C ambient temperature range, the fanless design offers the ultimate in reliability with no moving parts.

Windows Embedded Compact 7 is a componentized, hard real-time, high performance, and highly reliable operating system. CE7 delivers rich user experiences and a unique connection to Windows PCs, servers, services, and devices.

Windows Embedded Compact 7

CE7 is a compact and hard real-time OS used to quickly create time critical and high performance applications. Using CE7 gives an ability to run PC-based control software such as Visual Basic .NET, Visual C#, SCADA software, SoftPLC... etc.



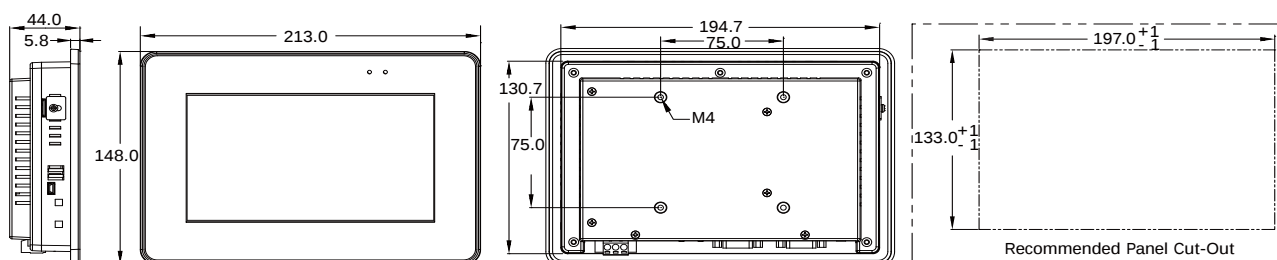
- FTP Server
- Web Server
- SQL Compact Edition 3.5
- .NET Compact Framework 3.5
- Virtual CE Pro (VCEP)
- OPC Server (NAPOPC DA Server)
- Soft PLC solution ISaGRAF inside
- SCADA solution InduSoft inside

Specifications

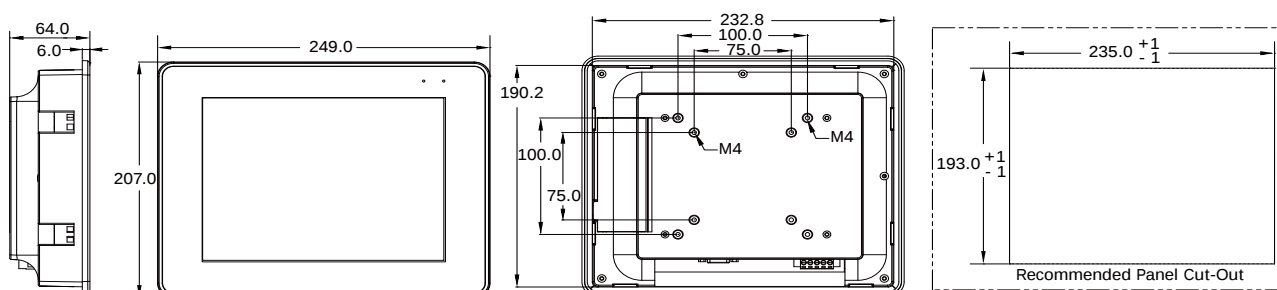
Models	VP-2201-CE7	VP-3201-CE7	VP-4201-CE7	VP-5201-CE7	VP-6201-CE7
LCD					
Diagonal Size	7" (16:9)	8.4" (4:3)	10.4" (4:3)	12.1" (4:3)	15" (4:3)
Resolution	800 x 480	800 x 600			1024 x 768
Brightness (cd/m2)	400				
Contrast Ratio	500 : 1				
LED Backlight Life (hrs)	20,000	50,000			
Touch Panel	4-wire, resistive type; light transmission: 80 %	5-wire, resistive type; light transmission: 80 %			
System Software					
OS	Microsoft Windows Embedded Compact 7				
Framework Support	.NET Compact Framework 3.5				
Embedded Service	FTP server, Web server (supports VB script, JAVA script), SQL Compact Edition 3.5				
SDK Provided	DII for Visual Studio.Net				
Multilanguage Support	English, German, French, Spanish, Portuguese, Russian, Italian, Korean, Simplified Chinese, Traditional Chinese				
CPU Module					
CPU	Cortex-A8, 720 MHz	Cortex-A9, 1 GHz			
SDRAM	512 MB (DDR3)				
MRAM	128 KB				
Flash (SSD)	256 MB				
EEPROM	16 KB				
Memory Expansion	microSD socket with a 4 GB micro SDHC card (support up to 32 GB)	SD socket with a 4 GB SDHC card (support up to 32 GB)			
RTC (Real Time Clock)	Provide second, minute, hour, date, day of week, month, year				
64-bit Hardware Serial Number	Yes, for software copy protection				
Dual Watchdog Timers	0.8 second				
LED Indicator	2 (Run, PWR)				
Rotary Switch	0 to 9				
Communication Ports					
Ethernet	1 x RJ-45 10/100/1000 Base-TX				
USB 2.0	2				
COM 1	RS-232/RS-485; 2500 VDC isolated	-	RS-232/RS-485 (DB9 connector); 2500 VDC isolated		
COM 2	RS-232/RS-485; 2500 VDC isolated				
COM 3	-	S-485; 2500 VDC isolated			
Audio	Earphone-out				
Mechanical					
Dimension (W x H x D), Unit: mm	213 x 148 x 44	249 x 207 x 64	291 x 229 x 54	324 x 255 x 64	381 x 305 x 63
Panel Cut-Out (W x H), Unit: mm	197 x 133, ± 1	235 x 193, ± 1	277 x 215, ± 1	310 x 241, ± 1	362 x 286, ± 1
Installation	Panel Mounting, VESA (75 x 75) Mounting				
Ingress Protection	Front panel: NEMA 4/IP65				
Environmental					
Operating Temperature	-10 °C to +60 °C				
Storage Temperature	-20 °C to +70 °C				
Ambient Relative Humidity	10 % ~ 90 % RH (non-condensing)				
Power					
Input Range	+12 VDC to +48 VDC				
Power from PoE	IEEE 802.3af				
Isolation	-	1 kV			
Consumption	6 W	7.5 W	13 W	14 W	16 W

Dimensions

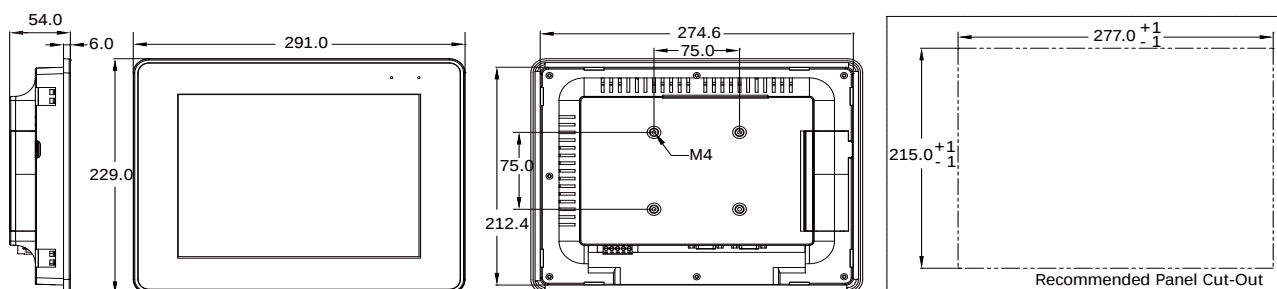
VP-2201-CE7



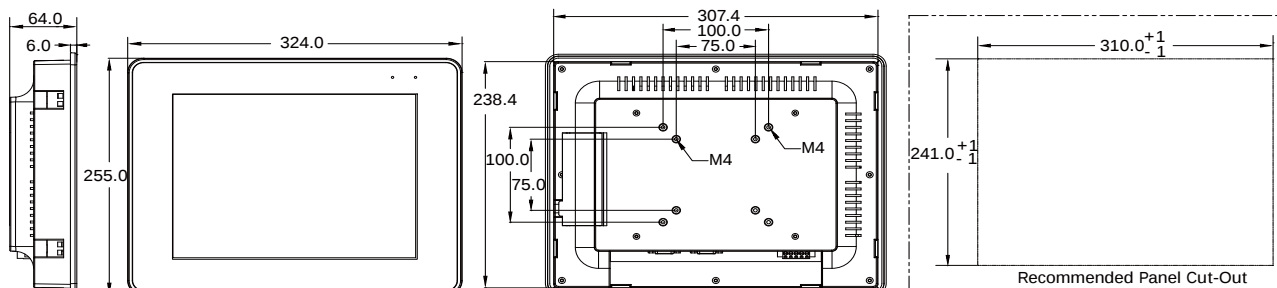
VP-3201-CE7



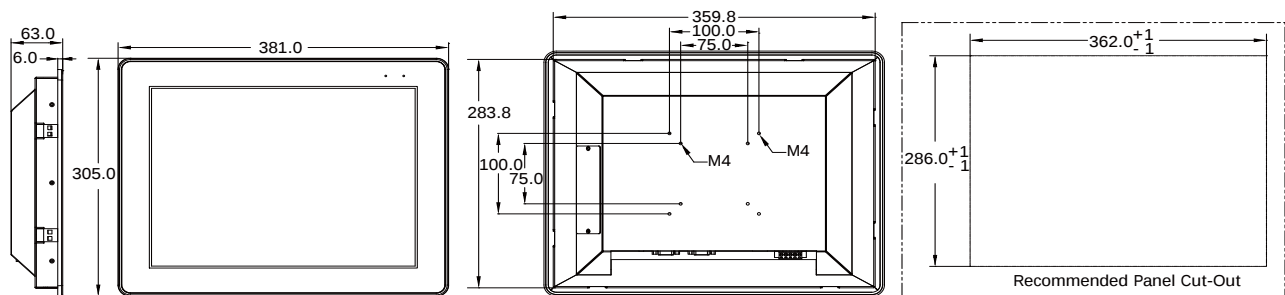
VP-4201-CE7



VP-5201-CE7



VP-6201-CE7



Appearance

VP-2201-CE7

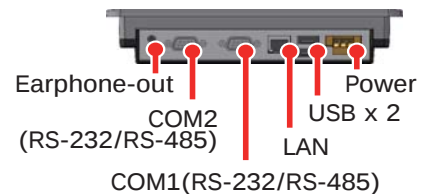
microSD Socket



Rotary SW.

7" LCD Touch Panel

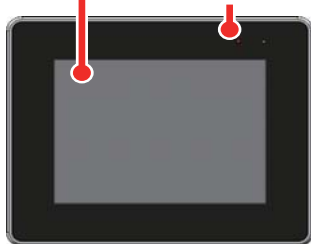
LED Indicator x 2



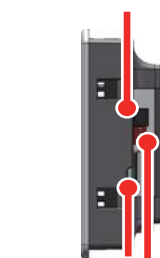
VP-3201-CE7

8.4" LCD Touch Panel

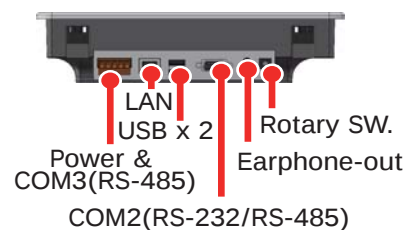
LED Indicator x 2



Console Port

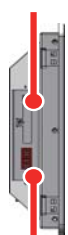


SD Socket
DIP SW.



VP-4201-CE7

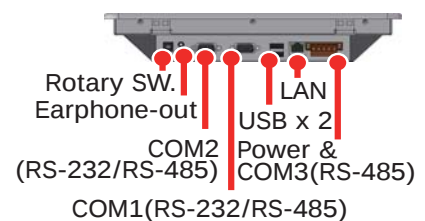
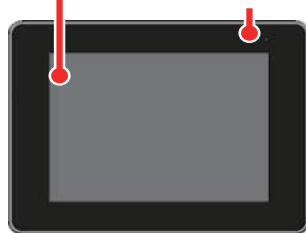
SD Socket



DIP SW.

10" LCD Touch Panel

LED Indicator x 2



VP-5201-CE7

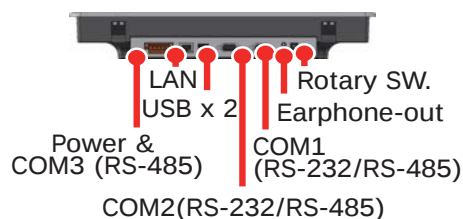
12.1" LCD Touch Panel
LED Indicator x 2



DIP Switch



SD Socket

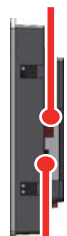


VP-6201-CE7

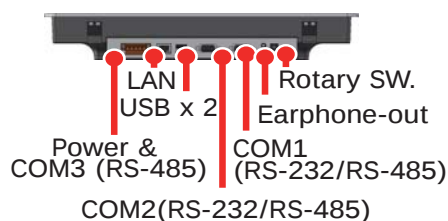
15" LCD Touch Panel
LED Indicator x 2



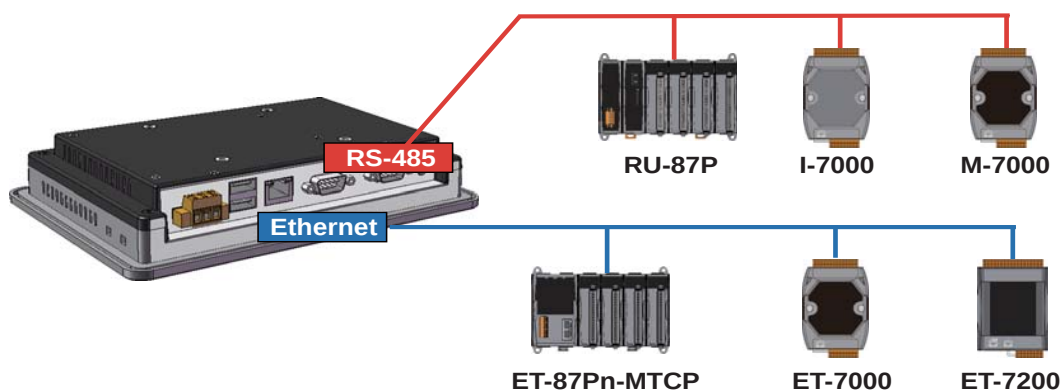
DIP Switch



SD Socket



Application



Ordering Information

VP-2201-CE7	Standard 7" ViewPAC with Cortex-A8 CPU and CE7 OS
VP-3201-CE7	Standard 8.4" ViewPAC with Cortex-A8 CPU and CE7 OS
VP-4201-CE7	Standard 10.4" ViewPAC with Cortex-A8 CPU and CE7 OS
VP-5201-CE7	Standard 12.1" ViewPAC with Cortex-A8 CPU and CE7 OS
VP-6201-CE7	Standard 15" ViewPAC with Cortex-A8 CPU and CE7 OS

Accessories

DP-660	24 VDC/2.5 A, 60 W and 5 VDC/0.5 A, 2.5 W Power Supply with DIN-Rail Mounting
MDR-60-24 CR	24 VDC/2.5 A, 60 W Power Supply with DIN-Rail Mounting (RoHS)