VIA
VIPRO VP7710

**Fanless Panel PC with 10.4"
TFT LCD and Touch Screen**

Features

- Fanless and ultra low power consumption

- Built-in 1.6 GHz VIA Eden™ ULV processor

- 10.4" TFT LCD panel with touch screen

- Integrated VIA UniChrome™ Pro II 3D/2D AGP graphics with MPEG-2 and WMV9 video decoding acceleration

- Supports Gigabit Ethernet, with optional Wireless LAN 802.11b/g

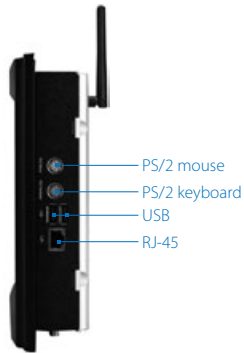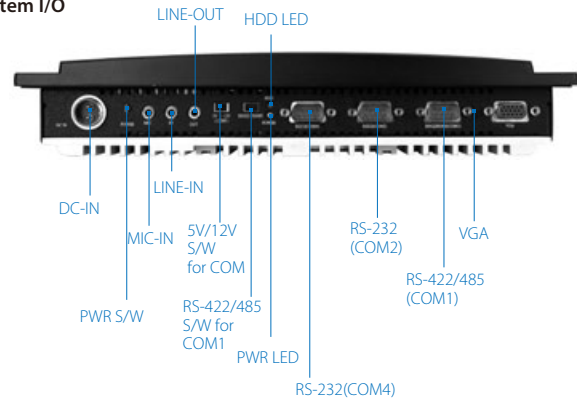- IP65 compliant front panel protects against water and dust

Specifications

Part Number		VP-7710-R1E16A1
Computing System	Processor	1.6GHz VIA Eden™ ULV
	Front Side Bus	800 MHz
	L2 Cache	128 KB
	Chipset	VIA CX700M Unified Digital IGP chipset
	BIOS	Award 4 MBit Flash BIOS
	System Power Management	Timer Power-on, ACPI supported
Memory	Technology	1 x DDR2 533 200-pin SDRAM SODIMM socket
	Max. Capacity	Up to 1 GB
Graphic	Controller	Integrated VIA UniChrome™ Pro II 3D/2D AGP graphics with MPEG-2 and WMV9 video decoding acceleration
	Display Memory	Optimized shared memory architecture, supports up to 128 MB frame buffer using system memory
LCD Display	LCD Type	10.4" Color TFT LCD panel
	Resolution/Color	Up to 800 x 600 @ 262K
	Pixel Pitch	0.264 mm x 0.264 mm
	Viewing Angle	70° (right), 70° (left), 55° (up) and 65° (down)
	Luminance	230 cd/m2
	Backlight MTBF	30,000 hours (typical)
Touch Screen	Type	Analog resistive, continuous resolution
	Light Transmission	82.5% (typical)
	Controller	USB interface
	Durability	1 million touches
Ethernet	Controller	VIA VT6122 Gigabit Ethernet
	Interface	Supports 1 x RJ45 connector Supports Wake-on LAN (WOL) Supports Preboot Execution Environment (PXE)
Audio	Controller	VIA VT1708A High Definition Audio Codec
	Interface	Supports Line-in, Line-out, Mic-in connectors
Serial	USB	2 x USB ports, USB 2.0 compliant
	Serial Ports	3 x COM ports (2 x RS-232 & 1 x RS-422/485) 5V/12V selectable
Storage	HDD	1 x 2.5" drive bay
	Compact Flash	1 x Type I socket
System Indicator	Power Status LED	1 x Orange color LED
	HDD Activity LED	1 x Blue color LED
Watch Dog Timer	Output	System reset
	Interval	Programmable 1 ~ 255 sec

CE FC

VIA Embedded

Side System I/O

- PS/2 mouse
- PS/2 keyboard
- USB
- RJ-45

Bottom System I/O

- LINE-OUT
- HDD LED
- DC-IN
- LINE-IN
- MIC-IN
- 5V/12V S/W for COM
- RS-232 (COM2)
- VGA
- RS-422/485 (COM1)
- PWR S/W
- RS-422/485 S/W for COM1
- PWR LED
- RS-232(COM4)

Specifications

Part Number		VP-7710-R1E16A1
System I/O	Bottom I/O Ports	1 x VGA connector
		1 x RS-422/485 serial port connector as COM1
		2 x RS-232 serial port connectors as COM2 and COM4
		1 x 5V/12V selectable switch for COM2 and COM4
		3 x Audio jacks of Line-out, Line-in and Mic-in connectors
		1 x ATX power on/off button
		1 x 2-pole, DC DIN jack power input connector
		1 x antenna hole for optional WLAN
	Side I/O Ports	1 x PS/2 mouse connector, 1 x PS/2 keyboard connector
		2 x USB 2.0 connectors, 1 x RJ45 connector
Power Supply	Power Consumption	Maximum 32 W
		Typical 24.6 W
	Input Voltage	7 V_{DC} ~ 30 V_{DC}
		Typical:
		7 V_{DC} @ 4.57 A
		12V_{DC} @ 2.66 A
		16 V_{DC} @ 1.93 A
		19V_{DC} @ 1.68 A
		24 V_{DC} @ 1.33 A
		30 V_{DC} @ 1.1 A
	Input Power Protection	Supports over voltage protection
		Supports over current protection
		Supports under voltage protection
Mechanical	Construction	Aluminum mixed with heavy-duty steel
	Mounting	Panel/Wall/Table/VESA mountable
	Dimensions	300.4mm (W) x 205.9mm (H) x 55.2mm (D) (11.82" x 8.1" x 2.17")
	Weight	3.6 kg (7.9 lbs)
Environmental Specification	Operating Temperature	0°C ~ 45°C
	Storage Temperature	-20°C ~ 70 °C
	Relative Humidity	0 ~ 90% @ 45°C, non-condensing
	Vibration Loading During Operation	When system equipped with Compact Flash Disk only: 5Grms, IEC 60068-2-64, random, 5 ~ 500Hz, 1 Oct./min, 1hr/axis
	Shock During Operation	When system equipped with 2.5" Hard Disk Driver: 20G, IEC 60068-2-27, half sine, 11ms duration
		When system equipped with Compact Flash Disk: 50G, IEC 60068-2-27, half sine, 11ms duration
	Front Panel Protection	IP65 compliant
	EMC Approved	CE, FCC Class B
Software Compatibility	Operation System	Microsoft Windows XP, Windows XP Embedded, Linux

Ordering Information

Part Number	CPU Frequency	Description
VP–7710–R1E16A1	1.6 GHz Eden™ ULV	1.6 GHz Eden™ ULV based fanless 10.4" touch panel PC, with VGA, 2 x USB 2.0, 3 x COM, 1 x GigaLAN

Optional Accessories

*Note: The optional accessories may have minimum ordering quantity limitation. Please contact VIA Sales representative for more details.
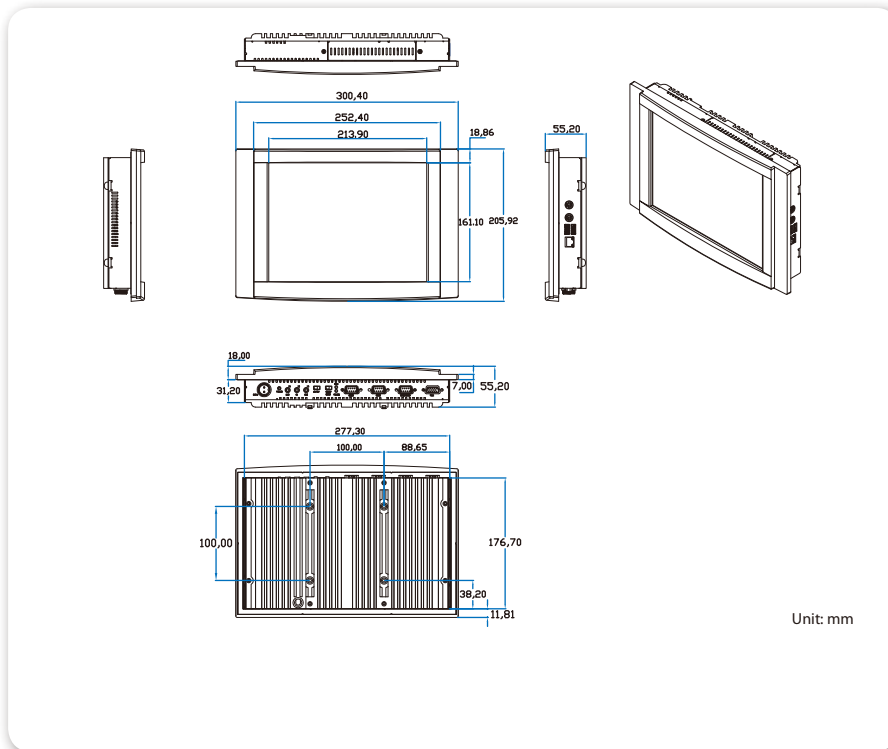
External AC-to-DC Adapter and Power Cable

Part Number	Description
99G63-020196	60W AC-to-DC adapter, input 100-240V, output DC 12V by DC-plug connector
99G33-02032C	Power cable, 180 cm, USA type
99G33-02034C	Power cable with PSE mark, 180 cm for Japan
99G33-02033C	Power cable, 180 cm, Europe type
99G33-02031C	Power cable, 180 cm, UK type

WLAN USB Module

Part Number	Description
EMIO-1530-00A1	802.11 b/g Wireless LAN USB module for USA
EMIO-1530-10A1	802.11 b/g Wireless LAN USB module for Europe

Embedded OS (Only available for OEM service)

Part Number	Description
POS-MXPEXI-ENS00	Windows XP Embedded SP3 Image and License for VIPRO VP7710, English Version
POS-MXPPLI-ENS00	Windows XP Professional SP3 Image & License for VIPRO VP7710, English Version

Mounting Plate

Part Number	Description
99G42-090164	Wall-mount bracket for VIPRO VP7710
99G42-090154	Desktop stand for VIPRO VP7710

Dimensions

Unit: mm

Packing List

1 x VIPRO VP7710 unit
1 x Power cable, DIN-jack to DC-plug
1 x IDE cable
1 x SATA data cable
1 x Panel mounting plate

* All product specifications are subject to change without notice. Update: Mar. 06, 2013.

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