

# Industrial Touch PANEL PC System

17" 1280x1024 Industrial Touch Panel PC, ErP Design  
Intel Atom SoC E3845 1.91GHz CPU/ 4G DDR3L RAM/  
500GB HDD/2GLAN/COM/SPK/12~26V input/12V Adapter/  
IP65 Compliant Front Panel / Windows 10 IoT



Model: VPC1700AT-V1

## Features:

Intel Atom E3845 1.91 GHz CPU  
One 204-pin DDR3L SODIMM Socket Supports Up to 8GB DDR3L 1333 SDRAM  
1 CF, 2 USB, 1 COM  
Dual Intel I210IT Gigabit LAN  
Wide Voltage +12V ~ +26V Input, ErP Power  
Backlight Controlled by PWM  
IP65 Compliant Front Panel  
Timer-Power-On

## Specifications:

|                                       |   |
|---------------------------------------|---|
| <b>System</b>                         | Intel® Atom™ E3845 4-Core 1.91GHz processor                 |
| <b>System Memory</b>                  | 1 x 204-Pin DDR3L 1333MHz SO-DIMM up to 8 GB                |
| <b>I/O Chip</b>                       | EC ITE IT8528E  |
| <b>Watchdog Timer</b>                 | H/W Reset, 1sec. ~ 65535sec./1sec.step                      |
| <b>H/W Status Monitor</b>             | Monitoring CPU & System Temperature and Voltage             |
| <b>SBC</b>                            | EBM-BYT   |
| <b>Expansion</b>                      |   |
| <b>Expansion</b>                      | 1 x Mini PCIe Support mSATA 1 x Mini PCIe Supports SIM Card |
| <b>Storage</b>                        | 1 x CompactFlash Type I/II Socket 1 x 2.5" Drive Bay        |
| <b>Panel</b>                          |   |
| <b>LCD Size</b>                       | 17", 4:3  |
| <b>Display Type</b>                   | SXGA  |
| <b>Resolution</b>                     | 1280x1024   |
| <b>Pixel pitch</b>                    | 0.264mm(H) x 0.264mm(V)                                     |
| <b>Luminance</b>                      | 350 cd/m2   |
| <b>Contrast ratio</b>                 | 800   |
| <b>Viewing angle</b>                  | 80 (U), 80 (D), 85 (L), 85 (R)                              |
| <b>Response time</b>                  | 30 ms   |
| <b>Backlight</b>                      | LED   |
| <b>Touch Type</b>                     | 5 Wires resistive   |
| <b>Touch Light Transmission</b>       | 80%   |
| <b>Touch Controller</b>               | Onboard USB touch (EETI)                                    |
| <b>I/O</b>                            |   |
| <b>USB</b>                            | 1 x USB 3.0 1 x   |
| <b>SATA</b>                           | 1 x SATA II   |
| <b>COM Port</b>                       | 1 x RS-232/422/485 (BIOS)                                   |
| <b>Other</b>                          | 1 x HDMI  |
| <b>Chipset</b>                        | Intel® Valleyview SoC integrated Graphics Supports          |
| <b>Resolution</b>                     | HDMI:Max. resolution 1920x1200@ 60Hz                        |
| <b>Audio</b>                          |   |
| <b>Chipset</b>                        | Realtek ALC892  |
| <b>Audio Interface</b>                | Line-Out  |
| <b>Speaker Output</b>                 | 2 x 1W  |
| <b>Ethernet</b>                       |   |
| <b>Chipset</b>                        | 2 x Intel® I210IT   |
| <b>Ethernet Interface</b>             | 10/100/1000 Base-Tx GbE compatible                          |
| <b>LAN Port</b>                       | 2 x RJ-45   |
| <b>Mechanical &amp; Environmental</b> |   |
| <b>Operating Temperature</b>          | -20°C ~ 60°C (-4°F ~ 140°F)                                 |
| <b>Storage Temperature</b>            | -30°C ~ 70°C (-22°F ~ 158°F)                                |

|                                   |   |
|-----------------------------------|---|
| <b>Operating Humidity</b>         | 0% ~ 90% Relative Humidity, Non-condensing                              |
| <b>Weight</b>                     | 5 Kgs   |
| <b>Dimension (L x W x H)</b>      | 382 x 320 x 58.8 mm   |
| <b>Vibration Test</b>             | With SSD/mSATA : 1.5Grms, IEC 60068-2-64, Random, 5 ~ 500Hz, 30min/axis |
| <b>Shock Test</b>                 | With CF/SSD : 10Grms, IEC 60068-2-27, Half Sine, 11ms                   |
| <b>System Fan</b>                 | Fanless   |
| <b>Construction - Front</b>       | Silver Aluminum   |
| <b>Construction - Rear</b>        | Black   |
| <b>Certifications</b>             |   |
| <b>Certifications Information</b> | CE / FCC Class B  |
| <b>Software Support</b>           |   |
| <b>OS Information</b>             | Win 7 Win 8 Linux   |
| <b>Power Requirement</b>          |   |
| <b>Power Connector</b>            | Lockable DC Jack  |
| <b>Power Requirement</b>          | +12V ~ +26V   |
| <b>Power Mode</b>                 | AT/ATX (ATX is default setting)   |
| <b>Adapter</b>                    | Input: 100 ~ 240Vac/ 50 ~ 60Hz Output: 60W Adapter (12V @ 5A Adapter)   |

**Diagram:**

