



## Features

- Onboard Intel® Atom™ D525 1.8GHz BGA Processor
- Onboard 1 GB up to 2GB & 1 SO-DIMM up to 4 GB DDR3 SDRAM
- 3 x USB, 1 x COM
- 1 x Intel® 82574L Gigabit LAN, 2W Amplifier
- Wide Voltage +12V ~ +26V Input, ErP Power
- Backlight Controlled by PWM
- IP65 Compliant Front Panel
- Timer-Power-On



## Specifications

### Panel

|                                 |                                |
|---------------------------------|--------------------------------|
| <b>LCD Size</b>                 | 22"                            |
| <b>Display Type</b>             | WSXGA                          |
| <b>Resolution</b>               | 1680 x 1050                    |
| <b>Pixel pitch</b>              | 0.282mm(H) x 0.282mm(V)        |
| <b>Luminance</b>                | 250 cd/m <sup>2</sup>          |
| <b>Contrast ratio</b>           | 1000                           |
| <b>Viewing angle</b>            | 80 (U), 80 (D), 85 (L), 85 (R) |
| <b>Response time</b>            | 5 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)       |

### System

|                       |                                                                           |
|-----------------------|---------------------------------------------------------------------------|
| <b>SBC</b>            | EBM-PNV                                                                   |
| <b>Processor</b>      | Intel® Atom™ D525 2-Core 1.8GHz                                           |
| <b>System Chipset</b> | Intel® ICH8-M Chipset                                                     |
| <b>I/O Chipset</b>    | Nuvoton W83627DHG                                                         |
| <b>System Memory</b>  | Onboard DDR3 1GB up to 2GB<br>1 x 204-Pin DDR3 1066MHz SO-DIMM up to 4 GB |
| <b>Watchdog Timer</b> | H/W Reset: 1sec.~255min. and 1sec. or 1min./step                          |

### Expansion & Storage

|                  |                                                         |
|------------------|---------------------------------------------------------|
| <b>Expansion</b> | 2 x Mini PCIe                                           |
| <b>Storage</b>   | 1 x CompactFlash Type I/II Socket<br>1 x 2.5" Drive Bay |

### I/O

|                 |             |
|-----------------|-------------|
| <b>USB</b>      | 3 x USB 2.0 |
| <b>SATA</b>     | 1 x SATA II |
| <b>COM Port</b> | 1 x RS-232  |
| <b>Other</b>    | 1 x WiFi    |

### Audio

|                        |                |
|------------------------|----------------|
| <b>Chipset</b>         | Realtek ALC888 |
| <b>Audio Interface</b> | Line-Out       |
| <b>Speaker Output</b>  | 2 x 2W         |

### Ethernet

|                           |                                    |
|---------------------------|------------------------------------|
| <b>Chipset</b>            | 1 x Intel® 82574L                  |
| <b>Ethernet Interface</b> | 10/100/1000 Base-Tx GbE compatible |
| <b>LAN Port</b>           | 1 x RJ-45                          |

### Power Requirement

|                          |                                                                                              |
|--------------------------|----------------------------------------------------------------------------------------------|
| <b>Power Requirement</b> | +12V ~ +26V                                                                                  |
| <b>Power Type</b>        | AT/ATX (ATX is default setting)                                                              |
| <b>Adapter</b>           | Input: 100 ~ 240Vac/ 50 ~ 60Hz<br>Output: 90W Adapter (19V @ 4.74A Adapter)<br>AC-DC Adapter |

### Mechanical & Environmental

|                              |                                                                         |
|------------------------------|-------------------------------------------------------------------------|
| <b>System Fan</b>            | Fanless                                                                 |
| <b>Construction - Front</b>  | Front & Rear Silver Stainless                                           |
| <b>Construction - Rear</b>   | Black                                                                   |
| <b>Dimension</b>             | 546 x 378 x 69 mm                                                       |
| <b>Weight</b>                | 9 Kgs                                                                   |
| <b>Operating Temperature</b> | 0°C ~ 40°C (32°F ~ 104°F)                                               |
| <b>Storage Temperature</b>   | -20°C ~ 60°C (-4°F ~ 140°F)                                             |
| <b>Operating Humidity</b>    | 20% ~ 80% Relative Humidity, Non-condensing                             |
| <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                   |

### Certifications & Software Support

|                       |                              |
|-----------------------|------------------------------|
| <b>Certification</b>  | CE                           |
| <b>Information</b>    | FCC Class A                  |
| <b>OS Information</b> | Win XP, Win 7, Linux, Win CE |

## Ordering Information

### SPC-22W5-525-A3R

22" WSXGA Waterproof Stainless Panel PC with Intel® Atom™ D525 1.8 GHz

### ACC-SPC-WIFI-2R

802.11b/g/n MPCle/2Antenna/Cable, only for SPC-12 Series

### ACC-ARM-D1R

VESA STAND, 75mm & 100 mm

### ACC-ARM-D23R

VESA STAND, 75mm & 100 mm