

# ECW-281B2

Fanless Embedded System with Intel® Atom™ Dual-core D525/N270 CPU



## Features

- » Fanless system with
  - 1.8 GHz Intel® Atom™ D525 dual-core CPU
  - 1.6 GHz Intel® Atom™ N270 CPU
- » Supports four USB 2.0 ports and six COM ports
- » Dual GbE LAN ideal for high-speed network applications
- » Supports CompactFlash®, 2.5" SATA HDD and SSD storage devices
- » 12 V DC and 9 V DC - 36 V DC power input models available
- » Supports dual VGA display (B2 model only)

## Specifications

| Form factor                 |                                                                     |
|-----------------------------|---------------------------------------------------------------------|
| SBC Form Factor             | CPU:                                                                |
|                             | Intel® Atom™ D525 dual-core 1.8GHz/1MB L2 cache(for ECW-281B2-D252) |
|                             | Intel® Atom™ N270 1.6 GHz with 533 MHz FSB(for ECW-281B2-N270)      |
|                             | Chipset:                                                            |
|                             | Intel® ICH8M(for ECW-281B2-D252)                                    |
|                             | Intel® 945GSE + ICH7M(for ECW-281B2-N270)                           |
|                             | System Memory:                                                      |
|                             | 1 GB DDR3 204-pin SO-DIMM memory pre-installed(for ECW-281B2-D252)  |
|                             | 1 GB DDR2 200-pin SO-DIMM memory pre-installed(for ECW-281B2-N270)  |
| I/O Interface               |                                                                     |
| I/O Ports                   | 4 x USB 2.0                                                         |
|                             | Ethernet:2 x Realtek 8111E PCIe GbE                                 |
|                             | COM Port                                                            |
|                             | 5 x RS-232 ports for ECW-281B2-D525                                 |
|                             | 5 x RS-232 ports for ECW-281B2-N270                                 |
|                             | Display:2 x VGA                                                     |
|                             | Resolution:                                                         |
|                             | VGA: Up to 1024 x 768@60MH(for ECW-281B2-D525z)                     |
|                             | VGA: Up to 1024x768@60MHz(for ECW-281B2-N270)                       |
|                             | Audio:1 x Speaker out                                               |
| Expansion Slots             |                                                                     |
| Expansion Slots             | 1 x PCIe Mini card slot                                             |
| System                      |                                                                     |
| Cooling method / System Fan | Fanless                                                             |
| Drive Bays                  | 1 x 2.5" SATA HDD space                                             |
| Color                       |                                                                     |
| Color                       | Black                                                               |

|                       |                                                         |
|-----------------------|---------------------------------------------------------|
| Dimensions            |                                                         |
| Dimensions            | 229 x 132 x 64                                          |
| Weight                |                                                         |
| Weight                | 2.1 kg/3.9 kg                                           |
| Environment           |                                                         |
| Operating Temperature | 20°C ~ 65°C with CompactFlash®/SSD(for ECW-281B2-D525)  |
|                       | -10°C ~ 50°C with HDD                                   |
|                       | -10°C ~ 60°C with CompactFlash®/SSD(for ECW-281B2-N270) |
|                       | -10°C ~ 50°C with HDD                                   |

## Ordering Information

|                          |                                                                                                                                                                                                                               |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ECW-281B2WD-R30/N270/1GB | Fanless embedded system with Intel® Atom™ N270 1.6GHz CPU,945GSE,dual VGA,built-in 1GB DDR2 memory,9-36VDC in,w/o power adapter,black,RoHS                                                                                    |
| ECW-281B2WD-R11/D525/1GB | Fanless embedded system with WAFER-PV-D5252, with dual-core Intel® Atom™ D525 1.8G, with dual VGA display and 5 serial ports, with 1 GB DDR3 memory, 9 V-36 V DC in, w/o power adapter, black, RoHS, R11                      |
| ECW-281B2-R31/N270/1GB   | Fanless embedded system with Intel® Atom® N270 1.6GHz CPU,945GSE,dual VGA,built-in 1GB DDR2 memory,12VDC in,with 60W power adapter with ERP and PSE certificates,black,RoHS                                                   |
| ECW-281B2-R12/D525/1GB   | Fanless embedded system with WAFER-PV-D5252, with dual-core Intel® Atom® D525 1.8G, with dual VGA display and 5 serial ports, with 1 GB DDR3 memory, 12 V DC in, 60W power adapter with ErP and PSE certificates, black, RoHS |

## Packing List

|                                                                  |                        |
|------------------------------------------------------------------|------------------------|
| 1 x Power cord only for 12V                                      | 1 x Screw set          |
| 1 x 12V 60W power adapter (with PSE/ErP certified, only for 12V) | 1 x Wall mount bracket |
| 1 x HDD thermal pad                                              |                        |