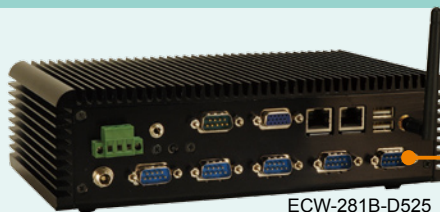
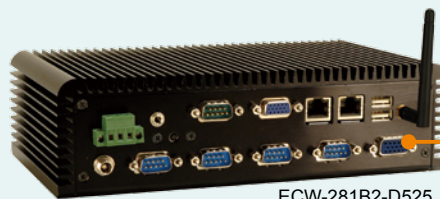


ECW-281B/B2-D525

Fanless Embedded System for Intel® Atom™ Dual core D525



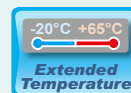
COM2 for ECW-281B-D525



2nd VGA for ECW-281B2-D525

Features

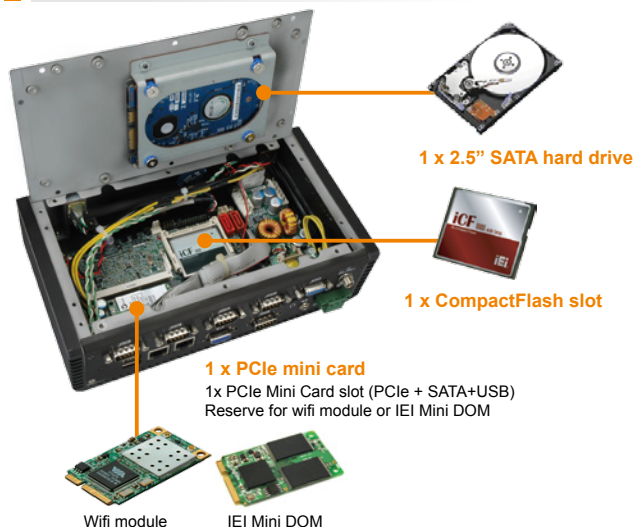
- ◆ Fanless system with
 - » 1.8 GHz Intel® Atom™ D525 dual-core CPU
- ◆ Supports four USB 2.0 ports and six COM ports
- ◆ Dual GbE LAN ideal for high speed network applications
- ◆ Supports CompactFlash®, 2.5" SATA HDD and SSD storage devices
- ◆ 12 VDC and 9 VDC - 36 VDC power input models available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



Specifications

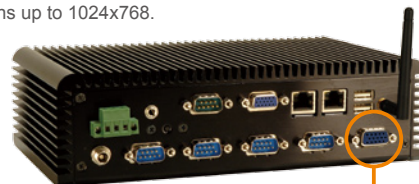
| | |
|-----------------------|--|
| Model Name | ECW-281B-D525 ECW-281B2-D525 (Dual VGA) |
| Dimensions | 229 x 132 x 64mm |
| Chassis Construction | Aluminum alloy with heavy duty metal |
| Processor CPU | Intel® Atom™ D525 Processor 1.8GHz /1MB L2 cache |
| System Memory | 1 x 204-pin 1GB DDR3 SODIMM (2GB for optional) |
| Hard Drive | 1 x 2.5" SATA HDD space |
| Compact Flash | 1 x Compact Flash type II slot |
| USB 2.0 | 4 |
| Ethernet | 2 x PCIe Realtek RTL8111E GbE |
| Serial Port | 6 RS232 ports for ECW-281B-D525 (COM2: Default RS232, RS422/485 optional) 5 RS232 ports for ECW-281B2-D525 |
| Display Interface | 1 x VGA for ECW-281B-D525 2 x VGA for ECW-281B2-D525 1st VGA resolution up to 2048x1536 2nd VGA resolution up to 1024x768 |
| Audio | 1 x speaker out |
| Wireless | 1 x 802.11 b/g/n (support by wifi models) |
| PCIe Mini Card | 1 x PCIe Mini Card Slot (reserve for wifi module, optional for IEI mini DOM) |
| Power input | 9~36V DC (WD model) 12 VDC model ship with 60W power adapter |
| Mounting | DIN mount, VESA 75 mount, wall mount |
| Operating Temperature | -20°C~65°C (SATA SSD) with Air flow* -10°C~50°C (wifi model with SATA HDD) with Air Flow* *Ambient air speed pre IEC-68-2-2 standard |
| Operating Shock | Half sine wave 3G; 11ms 3axis |
| Operating Vibration | Meet MIL-STD-810F 514.5C-1 / MIL-STD-810F 514.5C-2 |
| Weight (Net/Gross) | 2.1kg/3.9kg |

Storage & Expansions



Dual Display

The models of the ECW-281B series, either with Intel® Atom™ N270 single-core processor or D525 dual-core processor, all support dual VGA display through the optional LVDS to VGA converter module. The first VGA output signal is from on-board chipset and supports resolutions up to 2048x1536 (D525) while the second display output is made through the LVDS to VGA converter board (LVDS-VGA-R10) via the LVDS interface and supports resolutions up to 1024x768.



LVDS-VGA-R10

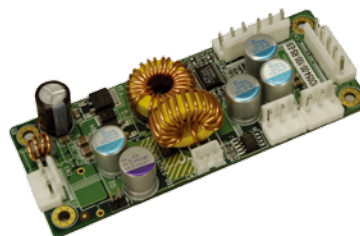
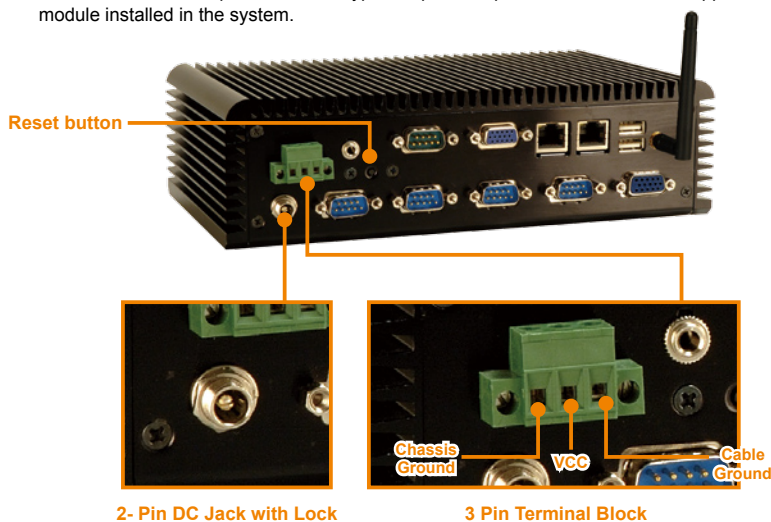
Install in ECW-281B2 series

- » Provide 2nd VGA option for Dual VGA display
- » Resolution adjustable by BIOS
- » Supports 800x600 or 1024x768
- » 18 bit LVDS to VGA Converter board



Extended Voltage Input

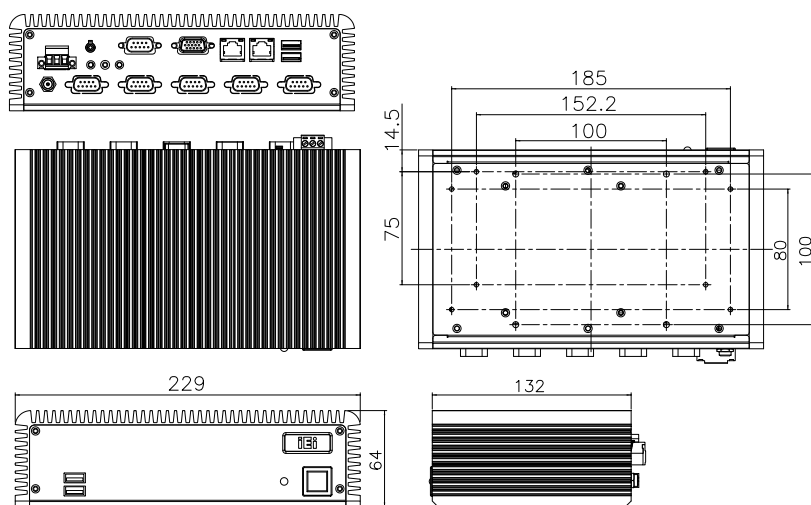
The ECW-281B rear panel has two types of power input connectors which support either single 12 V DC input or 9~36 V DC input depending on the power module installed in the system.



IDD-936260

- » Install in 9~36V DC in model (ECW-281BWD series)
- » Input range: 9-36VDC
- » Output:
 - 12 V @ 3 A (Max.)
 - 5 V @ 10 A (Max.)
 - 5 VSB @ 0.5 A (Max.)

Dimensions (unit:mm)



DIN Mount



Adjustable to fit with different rail width

Packing List

| |
|--|
| 1 x QIG |
| 1 x Screw set |
| 1 x Din mount |
| 1 x Hard drive thermal pad |
| 2 x wall mount bracket |
| 1 x Driver & user manual CD |
| 1 x Power adapter P/N:63000-FSP060DBAB1552-RS (optional for WD model) |
| 1 x Power cord (optional for WD model) European standard P/N: 32000-089900-RS (Default) USA standard P/N:32000-000025-RS |
| 1 x wireless antenna (for wireless model) |
| 1 x SATA with power output cable (P/N: 32000-114000-RS) |

Ordering Information

| D525 | 12V DC input | ECW-281B-R10/D525/1GB | Fanless embedded system , with dual core Intel® Atom™ D525 1.8G, with 6 serial ports, with 1GB DDR3 memory, 12VDC in, 60W power adapter with ERP and PSE certificates, black, RoHS |
|----------------|---------------------------|--|---|
| | | ECW-281BW-R10/D525/1GB | Fanless embedded system , with dual core Intel® Atom™ D525 1.8G, with 6 serial ports, built-in 802.11b/g/n wireless, with 1GB DDR3 memory, 12VDC in, 60W power adapter with ERP and PSE certificates, black, RoHS |
| 9~36V DC input | ECW-281B2-R10/D525/1GB | Fanless embedded system , with dual core Intel® Atom™ D525 1.8G, with dual VGA display and 5 serial ports, with 1GB DDR3 memory, 12VDC in, 60W power adapter with ERP and PSE certificates, black, RoHS | |
| | ECW-281B2W-R10/D525/1GB | Fanless embedded system , with dual core Intel® Atom™ D525 1.8G, with dual VGA display and 5 serial ports, built-in 802.11b/g/n wireless, with 1GB DDR3 memory, 12VDC in, 60W power adapter with ERP and PSE certificates, black, RoHS | |
| | ECW-281BWD-R10/D525/1GB | Fanless embedded system , with dual core Intel® Atom™ D525 1.8G, with 6 serial ports, with 1GB DDR3 memory, 9-36VDC in, w/o power adapter, black, RoHS | |
| | ECW-281BWDW-R10/D525/1GB | Fanless embedded system , with dual core Intel® Atom™ D525 1.8G, with 6 serial ports, built-in 802.11b/g/n wireless, with 1GB DDR3 memory, 9-36VDC in, w/o power adapter, black, RoHS | |
| 9~36V DC input | ECW-281B2WD-R10/D525/1GB | Fanless embedded system , with dual core Intel® Atom™ D525 1.8G, with dual VGA display and 5 serial ports, with 1GB DDR3 memory, 9-36VDC in, w/o power adapter, black, RoHS | |
| | ECW-281B2WDW-R10/D525/1GB | Fanless embedded system , with dual core Intel® Atom™ D525 1.8G, with dual VGA display and 5 serial ports, built-in 802.11b/g/n wireless, with 1GB DDR3 memory, 9-36VDC in, w/o power adapter, black, RoHS | |