ECW-281B/B2 Series
Fanless Embedded System with Intel® Atom™ Dual-core D525 CPU

COM2 for ECW-281B Series

6 COM

2nd VGA for ECW-281B2 Series

Dual VGA
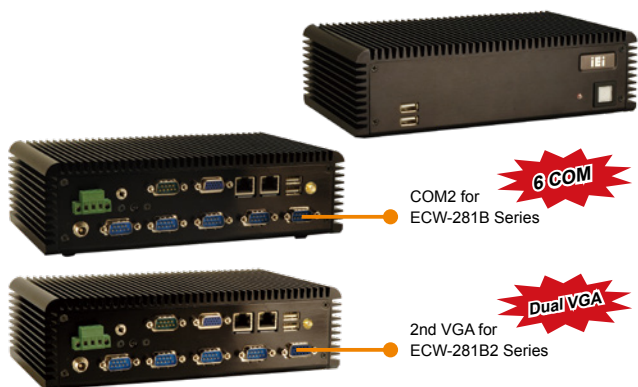
Features

- 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 V DC and 9 V DC - 36 V DC power input models available
- Supports dual VGA display (B2 model only)

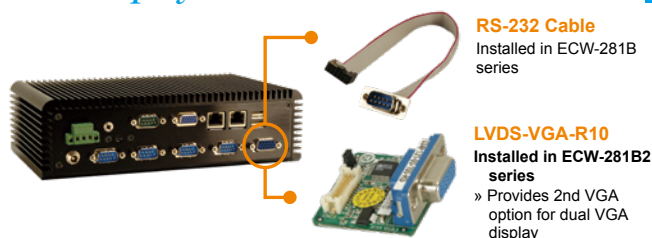One Key Recovery — IEi symantec.   Fanless   PCIe Mini Expansion

Specifications

Model Name		ECW-281B-D525 (ECW-281B2-D525)
Chassis	Color	Black
	Dimensions (WxDxH) (mm)	229 x 132 x 64
	System Fan	Fanless
	Chassis Construction	Aluminum alloy with heavy duty metal
Motherboard	Motherboard Model	WAFER-PV-D5252
	SBC Size (mm)	3.5", 146 x 102
	CPU	IIntel® Atom™ D525 dual-core 1.8GHz/1MB L2 cache
	Chipset	Intel® ICH8M
	System Memory	1 GB DDR3 204-pin SO-DIMM memory pre-installed
Storage	Hard Drive	1 x 2.5" SATA HDD space
	CF Card/CFast	1
I/O Interfaces	USB 2.0	4
	Ethernet	2 x Realtek 8111E PCIe GbE
	COM Port	6 x RS-232 ports for ECW-281B-D525 (COM2: Default RS-232, RS422/485 optional) 5 x RS-232 ports for ECW-281B2-D525
	Display	1 (2) x VGA
	Resolution	VGA: Up to 2048 x 1536@60Hz (VGA: Up to 1024 x 768@60MHz)
	Audio	1 x Speaker out
Expansions	PCIe Mini	1 x PCIe Mini card slot
Power	Power Input	DC jack: 12 V DC 3-pin terminal: 9 V~36 V DC
	Power Consumption	12V@1.79A (Intel® Atom™ D525 1.8GHz CPU with 1GB DDR3 memory)
Reliability	Mounting	DIN mount, VESA 75 mount, wall mount
	Operating Temperature	-20°C ~ 65°C with CompactFlash®/SSD -10°C ~ 50°C with HDD
	Operating Shock	Half-sine wave 3G, 11ms 3 shocks per axis
	Operating Vibration	* MIL-STD-810F 514.5C-1 MIL-STD-810F 514.5C-2
	Weight (Net/ Gross)	2.1 kg/3.9 kg

*Systems with hard drive meet MIL-STD-810F 514.5C-1 specifications. SSD/CF systems meet MIL-STD-810F 514.5C-2 specifications.
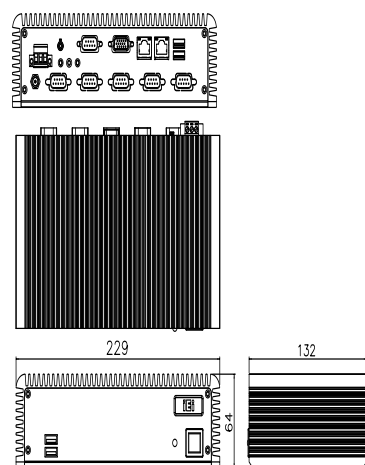
Spec Comparison Table

Model	ECW-281B	ECW-281B2	ECW-281BWD	ECW-281B2WD
Main board	WAFER-PV-D5252	WAFER-PV-D5252	WAFER-PV-D5252	WAFER-PV-D5252
COM port	6	5	6	5
VGA display	1	2	1	2
Power input	12 V DC in	12 V DC in	9 V~36 V DC in	9 V~36 V DC in
Adapter	60W	60W	N/A	N/A

Dual Display

RS-232 Cable
Installed in ECW-281B series

LVDS-VGA-R10
Installed in ECW-281B2 series
» Provides 2nd VGA option for dual VGA display

Dimensions (Unit: mm)

229

132

64

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
1 x Utility CD
1 x One Key Recovery CD

DK-84MB

Ordering Information

Part No.			Description
D525	**12 V DC Input**	ECW-281B-R12/ D525/1GB	Fanless embedded system with WAFER-PV-D5252, with dual-core Intel® Atom™ D525 1.8GHz CPU, with 6 serial ports, with 1 GB DDR3 memory, 12 V DC in, 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 1.8GHz CPU, 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
	9 V ~36 V DC Input	ECW-281BWD-R11/ D525/1GB	Fanless embedded system with WAFER-PV-D5252, with dual-core Intel® Atom™ D525 1.8GHz CPU, with 6 serial ports, with 1 GB DDR3 memory, 9 V-36 V DC 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 1.8GHz CPU, 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
		32205-003200- 100-RS	Flat cable, RS-232/422/485, RS-422/485 cable, 2, 100mm, 28AWG, (A) D-sub 9-pin male, (B) DU pont 2x7P P=2.0, female, IDIOT-PROOF, 32200-074600- RS substitute, hwalong, RoHS