

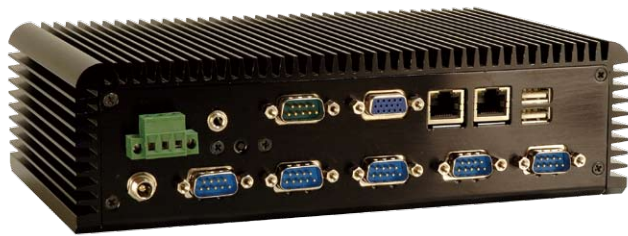
ECW-281B-ATOM

Fanless Intel® Atom™ Processor Embedded System



Dual VGA model available

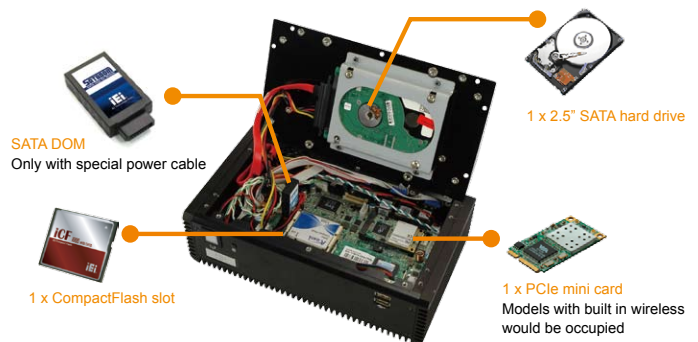
Fanless



Features

- ◆ Intel® Atom™ Processor N270 1.6GHz fanless system
- ◆ Four USB 2.0, six COM ports for peripheral devices
- ◆ Dual GbE LAN Ideal for high speed network application
- ◆ Storage support for both CompactFlash and SATA hard drive
- ◆ 12 VDC, 9 VDC - 36 VDC input models available

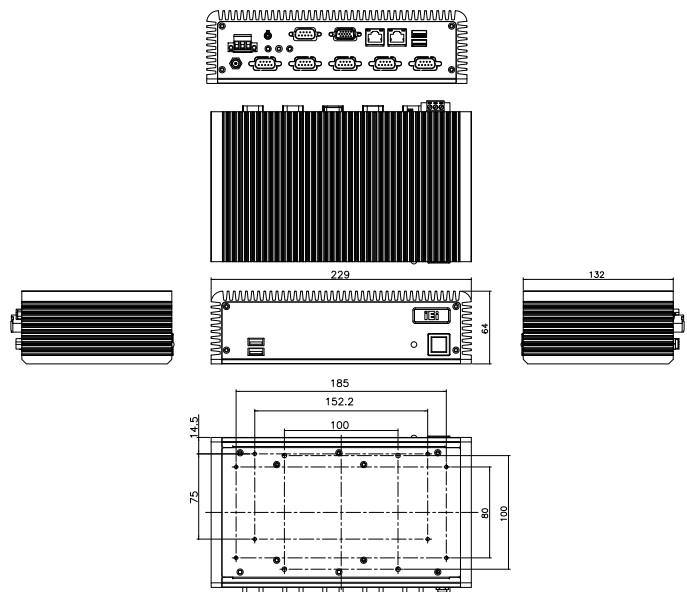
Storage & Expansions



Specifications

Model No.	ECW-281B-ATOM	ECW-281B-ATOM2
SBC	WAFER-ATOM	
Processor	Intel® Atom™ Processor N270 1.6GHz with 533 FSB	
Chipset	Intel® 945GSE + Intel® 82801GBM/ICH7M	
System Memory	200-pin 1GB DDR2 SDRAM SO-DIMM	
Ethernet	Dual Realtek RTL8111CP GbE controllers	
Display 1	CRT interface intergrated in 945GSE with one VGA port	
Display 2	N/A	LVDS to VGA with one VGA port
USB	4 x USB 2.0	
Serial Port	6 x RS-232	5 x RS-232
Audio	1 x speaker out	
Storage	1 x 2.5" SATA HDD capacity, 1 x internal CompactFlash slot	
Power Input	12VDC in with DC jack and 3 pin terminal Block WD series input voltage: 9V~36VDC	
Power Consumption	19W	
Chassis Construction	Aluminum Alloy	
Operating Temperature	-10°C~50°C with hard drive -10°C~60°C with CompactFlash	
Operating shock	Half-sine wave shock 3G; 11ms; 3 shocks per axis	
Operating Vibration	MIL-STD-810F 514.5C-1 (HDD) MIL-STD-810F 514.5C-2 (CompactFlash)	
Weight (Net/Gross)	2.1kg / 3.9 kg	
Dimensions (DxWxH)	132mm x 229mm x 64mm	
Mounting	DIN mount, VESA 100 wall mount	
EMC/Safety	CE, FCC class A	

Dimensions (unit: mm)



1 Industrial Computing Solutions

2 Embedded Computing Solutions

3 RISC-Based Embedded Solutions

4 Industrial Data Collector/Server Solutions

5 Video Capture Solutions

6 I/O Communication Solutions

7 Panel Solutions

8 Power Supply/Network Communication/Peripherals

DIN Mount



Adjustable to fit with different rail width

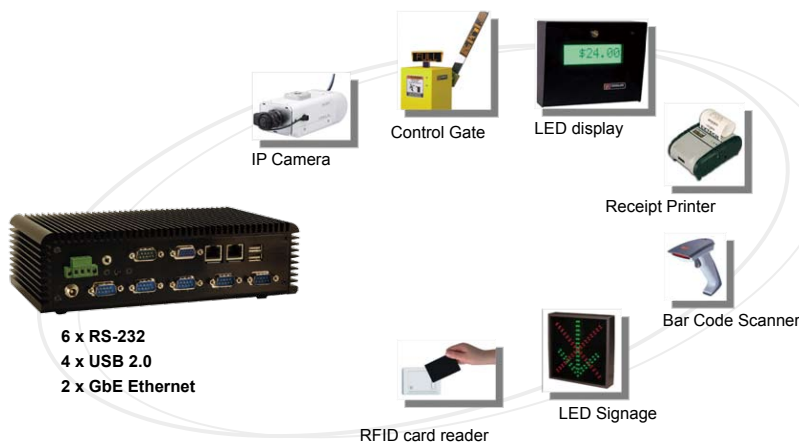
Wall Mount



WK-084MS-R10

VESA 100 wall mount kit

Extension Friendly in Compact Size

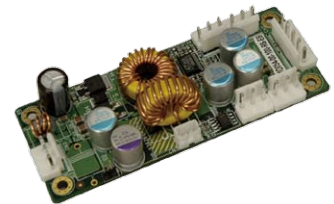


9 VDC ~ 36 VDC Input DC-DC Module

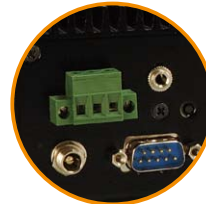
ECW-281B series can accept 9~36VDC input by installing a DC-to-DC power module.

IDD-936260A

Input range: 9-36VDC
Output: 12 V @ 3 A (Max.)
5 V @ 10 A (Max.)
5 VSB @ 0.5 A (Max.)



ECW-281B has two power input interfaces: 3-pin terminal block or DC power jack.



Packing List

- 1 x QIG
- 1 x Screw set
- 2 x Wall mounting brackets
- 1 x Hard drive thermal pad
- 1 x Driver CD
- 1 x User manual CD
- 1 x Power adaptor (optional for WD models)
- 1 x Power cord (optional for WD models)
- 1 x 2dbi wireless antenna (for wireless model only)

Ordering Information

12VDC input

Part No.	Description
ECW-281B-ATOM-R10/1GB	Fanless embedded system with Intel® Atom™ Processor N270 1.6GHz CPU, 945GSE, built-in 1GB DDR2 memory, 12VDC in, with 60W power adaptor, black, RoHS
ECW-281B-ATOM-W-R10/1GB	Fanless embedded system with Intel® Atom™ Processor N270 1.6GHz CPU, 945GSE, built-in 802.11b/g wireless, with 1GB DDR2 memory, with 60W adaptor, 12VDC in, black, RoHS
ECW-281B-ATOM2-R10/1GB	Fanless embedded system with Intel® Atom™ Processor N270 1.6GHz CPU, 945GSE, dual VGA, built-in 1GB DDR2 memory, 12VDC in, with 60W power adaptor, black, RoHS
ECW-281B-ATOM2-W-R10/1GB	Fanless embedded system with Intel® Atom™ Processor N270 1.6GHz CPU, 945GSE, dual VGA, built-in 802.11b/g wireless, with 1GB DDR2 memory, 60W adaptor, 12VDC in, black, RoHS

9~36VDC input

Part No.	Description
ECW-281BWD-ATOM-R10/1GB	Fanless embedded system with Intel® Atom™ Processor N270 1.6GHz CPU, 945GSE, built-in 1GB DDR2 memory, 9-36VDC in, black, RoHS
ECW-281BWD-ATOM-W-R10/1GB	Fanless embedded system with Intel® Atom™ Processor N270 1.6GHz CPU, 945GSE, built-in 802.11b/g wireless, with 1GB DDR2 memory, 9-36VDC in, black, RoHS
ECW-281BWD-ATOM2-R10/1GB	Fanless embedded system with Intel® Atom™ Processor N270 1.6GHz CPU, 945GSE, dual VGA, built-in 1GB DDR2 memory, 9-36VDC in, black, RoHS
ECW-281BWD-ATOM2-W-R10/1GB	Fanless embedded system with Intel® Atom™ Processor N270 1.6GHz CPU, 945GSE, dual VGA, built-in 802.11b/g wireless, with 1GB DDR2 memory, 9-36VDC in, black, RoHS

Embedded OS

Part No.	Description
ECWCF-281B-ATOM-XPE	Windows XP Embedded OS image, for ECW-281B-ATOM, with 1GB compactFlash memory card, RoHS
ECWCF-281B-ATOM-CE060	Windows CE 6.0 OS image, for ECW-281B-ATOM, with 128MB compactFlash memory card, RoHS