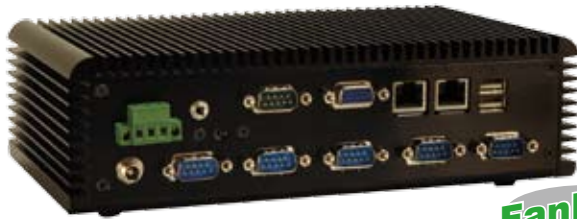


ECW-281B

WAFER-8522 Embedded Fanless Solutions



New Built-in 802.11 b/g Wireless Model Available!



Fanless

Features

- ◆ ULV Intel® Celeron® M 1GHz fanless system
- ◆ Four USB 2.0, six COM ports for peripheral devices
- ◆ Dual GbE LAN Ideal for high speed network application
- ◆ VESA 100 wall mount, DIN-mount
- ◆ 12 VDC, 9 VDC ~ 36 VDC input models available



2 x USB ports on front panel for non-wireless models

DIN Mount

Wall Mount



Adjustable to fit with different rail width



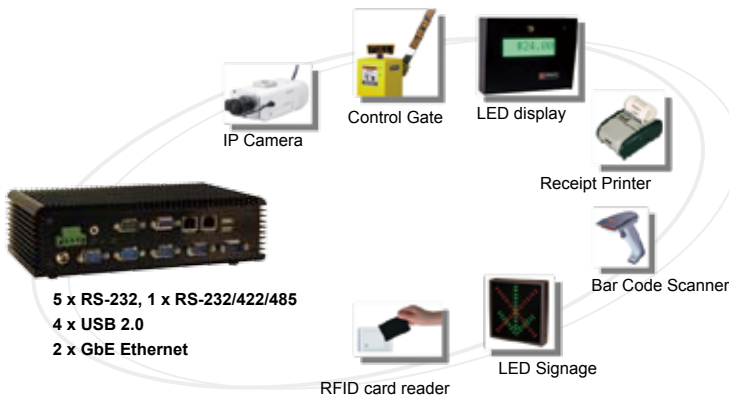
VESA 100 wall mount kit

WK-084MS-R10

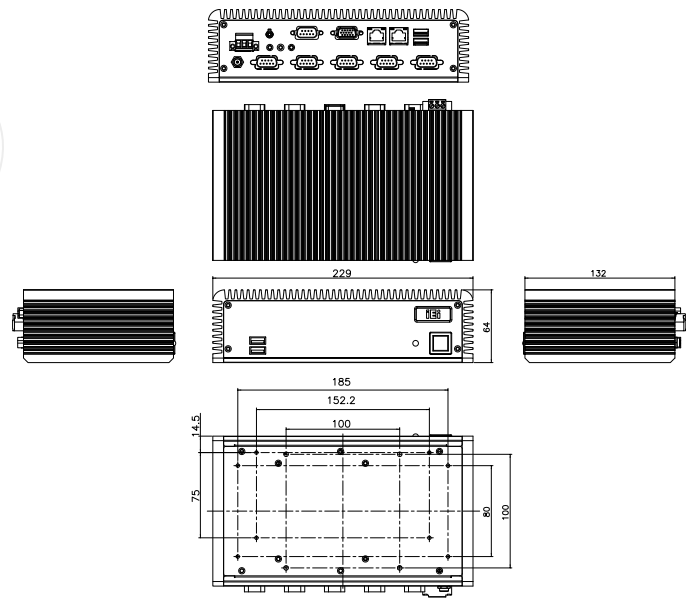
Specifications

Model No.	ECW-281B-8522	ECW-281B-8522W
SBC	WAFER-8522	
Processor	ULV Intel® Celeron® M 1 GHz zero cache / ULV Intel® Celeron® M 1 GHz with 512 KB L2 cache	
Chipset	Intel® 852GM + ICH4	
System Memory	200-pin 512 MB/1 GB 266 MHz single-channel DDR SDRAM SO-DIMM	
Ethernet	Dual Realtek RTL8110SC GbE controllers	Dual Realtek RTL8110SC GbE controllers Built-in 802.11b/g wireless
Display	CRT interface intergrated in 852GM with one VGA port	
USB	4 x USB 2.0	3 x USB 2.0
Serial Port	5 x RS-232, 1x RS-232/422/485 selectable	
Audio	1 x speaker out	
Storage	1 x 2.5" IDE HDD capacity	
Power Input	12VDC in with DC jack and 3-pin terminal block WD series input voltage: 9 VDC ~ 36 VDC	
Power Consumption	27 W	
Chassis Construction	Aluminum Alloy	
Operating Temperature	0~50°C	
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)	2.1 kg / 3.9 kg	
Dimensions (DxWxH)	132 mm x 229 mm x 64 mm	
Mounting	DIN mount, VESA 100 wall mount	
EMC/Safety	CE, FCC class A	

Extension Friendly in Compact Size



Dimensions (unit: mm)



9 VDC ~ 36 VDC Input DC-DC Module

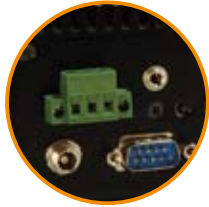
ECW-281B series can accept 9~36VDC input by installing a DC-to-DC power module.

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 DIN mount kit
1 x Screw set	1 x Thermal pad for HDD
2 x Mounting brackets	1 x Mini jumper set
1 x Power adaptor (optional for WD models)	4 x Foot pads
1 x Power cord	1 x 2dbi wireless antenna (for wireless model only)
1 x Driver CD	
1 x Manual CD	

Ordering Information

12VDC input

Part No.	CPU	Memory	Wireless	Description
ECW-281B-8522-R10/512MB	ULV Intel® Celeron® M 1 GHz, zero cache	512 MB	N/A	Fanless embedded system, Intel® 852GM chipset, 400 MHz FSB, with 55W adaptor, 12 VDC in, black, RoHS
ECW-281B-8522W-R10/512MB	ULV Intel® Celeron® M 1 GHz, zero cache	512 MB	Yes	
ECW-281B-8522-R10/1GB	ULV Intel® Celeron® M 1 GHz, zero cache	1 GB	N/A	
ECW-281B-8522W-R10/1GB	ULV Intel® Celeron® M 1 GHz, zero cache	1 GB	Yes	
ECW-281B-8522L2-R10/512MB	ULV Intel® Celeron® M 1 GHz, 512 KB L2 cache	512 MB	N/A	
ECW-281B-8522L2W-R10/512MB	ULV Intel® Celeron® M 1 GHz, 512 KB L2 cache	512 MB	Yes	
ECW-281B-8522L2-R10/1GB	ULV Intel® Celeron® M 1 GHz, 512 KB L2 cache	1 GB	N/A	
ECW-281B-8522L2W-R10/1GB	ULV Intel® Celeron® M 1 GHz, 512 KB L2 cache	1 GB	Yes	

9-36VDC input

Part No.	CPU	Memory	Wireless	Description
ECW-281BWD-8522-R10/512MB	ULV Intel® Celeron® M 1 GHz, zero cache	512 MB	N/A	Fanless embedded system, Intel® 852GM chipset, 400 MHz FSB, 9 VDC ~ 36 VDC in, black, RoHS
ECW-281BWD-8522W-R10/512MB	UULV Intel® Celeron® M 1 GHz, zero cache	512MB	Yes	
ECW-281BWD-8522-R10/1GB	ULV Intel® Celeron® M 1 GHz zero cache	1 GB	N/A	
ECW-281BWD-8522W-R10/1GB	ULV Intel® Celeron® M 1 GHz zero cache	1 GB	Yes	
ECW-281BWD-8522L2-R10/512MB	ULV Intel® Celeron® M 1 GHz 512KB L2 cache	512 MB	N/A	
ECW-281BWD-8522L2W-R10/512MB	ULV Intel® Celeron® M 1 GHz 512KB L2 cache	512 MB	Yes	
ECW-281BWD-8522L2-R10/1GB	ULV Intel® Celeron® M 1 GHz 512KB L2 cache	1 GB	N/A	
ECW-281BWD-8522L2W-R10/1GB	ULV Intel® Celeron® M 1 GHz 512KB L2 cache	1 GB	Yes	

*9~36VDC input models do not include AC-DC power adapter in package.