

## ECW-281B

WAFER-8522 Embedded Fanless Solutions



### Features

- ◆ Intel ULV Celeron M 1GHz Fanless System
- ◆ 4 x USB 2.0, 6 x COM Ports for Peripheral Devices
- ◆ Dual GbE LAN Ideal for High Speed Network Application
- ◆ VESA 100 wall mount, DIN-mount
- ◆ 12VDC, 9V~36VDC input models available



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

### DIN Mount



Adjustable to fit with different rail width

### Wall Mounting



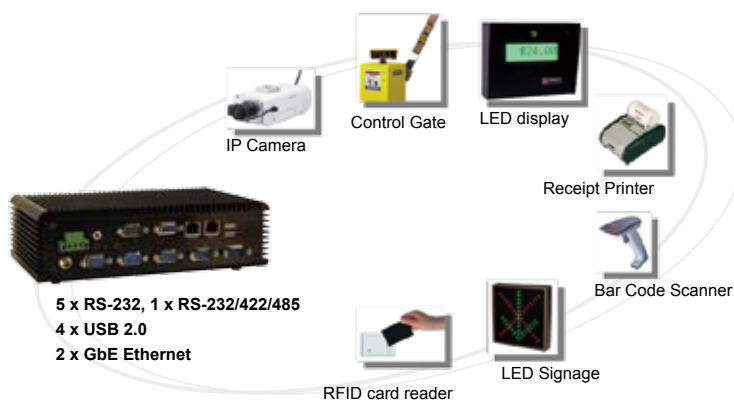
VESA 100 wall mount kit

WK-084MS-R10

### Specifications

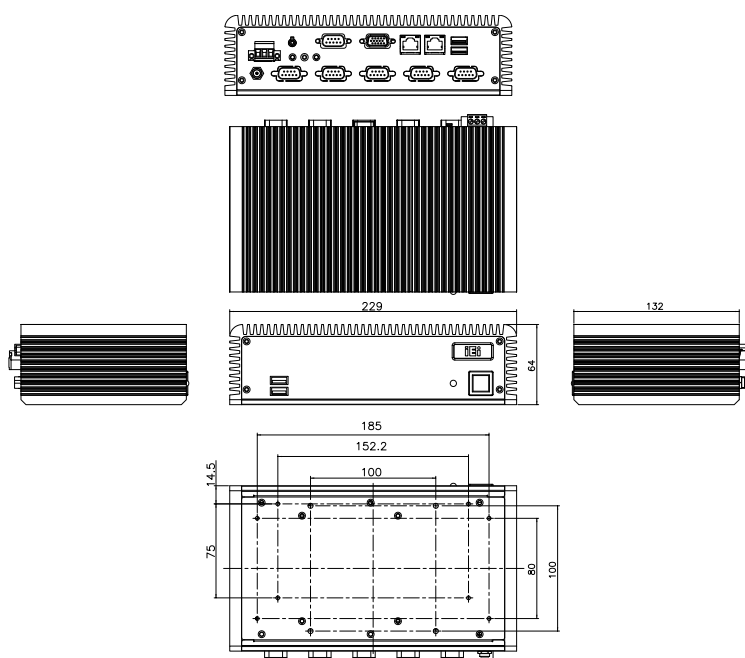
	ECW-281B-8522	ECW-281B-8522W
SBC	WAFER-8522-1GZ-R10	
Processor	Intel ULV Celeron M 1GHz zero cache / Intel ULV Celeron M 1GHz with 512KB L2 cache	
Chipset	Intel® 852GM + ICH4	
System Memory	512MB or 1GB 200-pin singal channel DDR266 SO-DIMM	
Ethernet	Dual Realtek RTL8110SC GbE	Dual Realtek RTL8110SC GbE Built-in 802.11b/g wireless
Display	VGA Integrated in Intel® 852GM	
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: 9V~36VDC	
Power Consumption	27W	
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)	2.1Kg / 3.9 Kg	
Dimensions (DxWxH)	132mm x 229mm x 64mm	
Mounting	DIN mount, VESA 100 wall mount	
EMC/Safety	CE, FCC class A	

## Extension Friendly in Compact Size



## Dimensions

measurement unit: mm

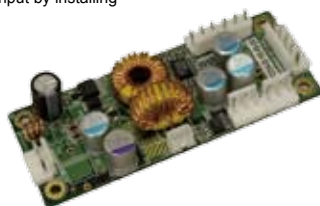
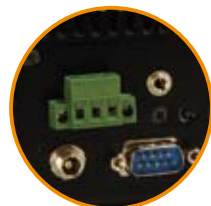


## 9~36VDC Input DC-DC Module

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

### IDD-936260A

Input range: 9-36VDC  
Output: 12V@3A(Max.)  
5V@10A(Max.)  
5VSB@0.5A(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 mounting brackets
1 x power adaptor (optional for WD models)
1 x power cord
2 x driver & manual CD
1 x 2dbi wireless antenna( for wireless model only )

## Ordering Information

### 12VDC input

Part No.	CPU	Memory	Wireless	Description
ECW-281B-8522-R10/512MB	Intel® ULV Celeron® M 1GHz zero cache	512MB	N/A	Fanless embedded system, Intel® 852GM chipset, 400MHz FSB, with 60W adaptor, 12VDC in, black, RoHS
ECW-281B-8522W-R10/512MB	Intel® ULV Celeron® M 1GHz zero cache	512MB	Yes	
ECW-281B-8522-R10/1GB	Intel® ULV Celeron® M 1GHz zero cache	1GB	N/A	
ECW-281B-8522W-R10/1GB	Intel® ULV Celeron® M 1GHz zero cache	1GB	Yes	
ECW-281B-8522L2-R10/512MB	Intel® ULV Celeron® M 1GHz 512KB L2 cache	512MB	N/A	
ECW-281B-8522L2W-R10/512MB	Intel® ULV Celeron® M 1GHz 512KB L2 cache	512MB	Yes	
ECW-281B-8522L2-R10/1GB	Intel® ULV Celeron® M 1GHz 512KB L2 cache	1GB	N/A	
ECW-281B-8522L2W-R10/1GB	Intel® ULV Celeron® M 1GHz 512KB L2 cache	1GB	Yes	

### 9-36VDC input

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

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