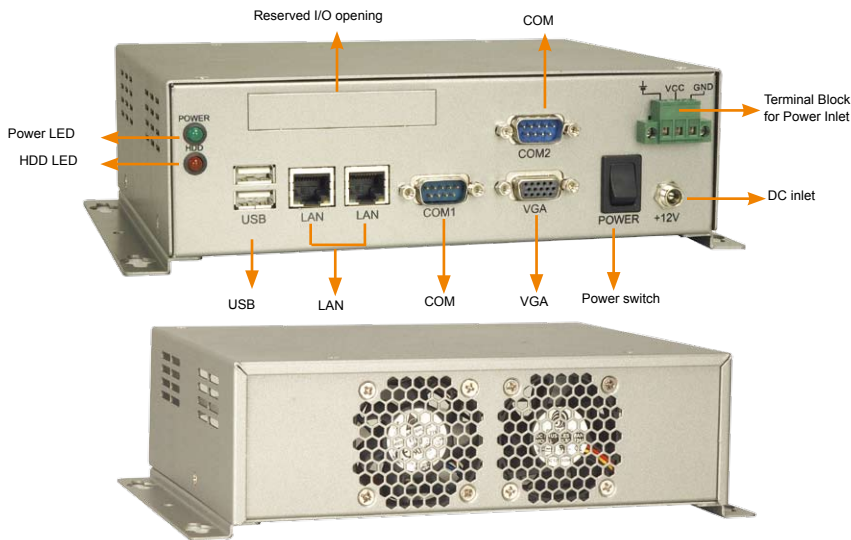


# ECW-180A / 181A

IEI WAFER Series Embedded System with CompactFlash Slot only



## Features

- ◆ Built-in DC-to-DC power converter
- ◆ Intel® and VIA®, AMD® solutions available
- ◆ Easy-accessible CompactFlash openings at the bottom
- ◆ Two 5 cm ball bearing cooling fans
- ◆ One 2.5" hard drive bay in the ECW-181A

## 9 VDC ~ 36 VDC Input



IDD-936260A  
 Input Range: 9 VDC ~ 36 VDC  
 Output: 12 V @ 3 A (Max.)  
 5 V @ 10 A (Max.)  
 5 VSB @ 0.5 A (Max.)

## Specifications

Model No.	ECW-180AS1-R11/ 256MB	ECW-180AS2-R11/ 256MB	ECW-180AS5X- R11/512MB	ECW-181AS1-R11/ 256MB	ECW-181AS2-R11/ 256MB	ECW-181AS5X-R11/ 512MB
<b>Mainboard</b>	WAFER-LX	WAFER-GX	WAFER-6612	WAFER-LX	WAFER-GX	WAFER-6612
<b>CPU</b>	AMD® Geode® LX800 500 MHz	AMD® Geode® GX 466 333 MHz	Intel® Celeron® M 1.5 GHz	AMD® Geode® LX 800 500 MHz	AMD® Geode® GX 466 333MHz	Intel® Celeron® M 1.5 GHz
<b>System Chipset</b>	AMD® CS5536	AMD® CS5536	SIS 661CX + SIS 964	AMD® CS5536	AMD® CS5536	SIS 661CX + SIS 964
<b>System Memory</b>	One 200-pin 333/400MHz DDR SDRAM SO-DIMM supported (system max. 1GB, built-in 256MB)	One 200-pin 266MHz DDR SDRAM SO-DIMM supported (system max. 512 MB, built-in 256MB)	One 200-pin 333/400MHz DDR SDRAM SO-DIMM supported (system max. 1GB, built-in 512 MB)	One 200-pin 333/400MHz DDR SDRAM SO-DIMM supported (system max. 1GB, built-in 256 MB)	One 200-pin 266MHz DDR SDRAM SO-DIMM supported (system max. 512 MB, built-in 256 MB)	One 200-pin 333/400MHz DDR SDRAM SO-DIMM supported (system max. 1GB, built-in 512 MB)
<b>Ethernet</b>	dual 10/100BASE-T RTL8100C	dual 10/100BASE-T RTL8100C	10/100/1000BASE-T RTL8110S	dual 10/100BASE-T RTL8100C	dual 10/100BASE-T RTL8100C	10/100/1000BASE-T RTL8110S
<b>Display</b>	CRT interface integrated in AMD® Geode LX800, with one VGA port	CRT interface integrated in AMD® Geode GX466, with one VGA port	CRT interface integrated in SIS® 661CX, with one VGA port	CRT interface integrated in AMD® Geode LX800, with one VGA port	CRT interface integrated in AMD® Geode GX466, with one VGA port	CRT interface integrated in SIS® 661CX, with one VGA port
<b>USB</b>	2 x USB 2.0 compliant	2 x USB 2.0 compliant	2 x USB 2.0 compliant	2 x USB 2.0 compliant	2 x USB 2.0 compliant	2 x USB 2.0 compliant
<b>Serial Port</b>	Two RS-232					
<b>Storage</b>	Compact Flash socket for CompactFlash type I/II disks			Compact Flash socket for CompactFlash type I/II disks, 1 x 2.5" HDD (optional)		
<b>Chassis Construction</b>	Heavy duty metal					
<b>System Cooling</b>	2 x 5 cm two ball bearing fan					
<b>Power Supply</b>	Internal DC-to-DC power converter, input voltage: 12 VDC. WD series input voltage: 9 VDC ~ 36 VDC External power adaptor, input voltage: 90 VAC ~ 240 VAC @ 50-60 Hz, 45 W For ECW-180AS5 90 VAC~240VAC @ 50-60 Hz, 60 W					
<b>Operating Shock</b>	3G acceleration peak to peak (11ms)					
<b>Operating Vibration</b>	MIL-STD-810F 514.5C-1					
<b>Operating Temperature</b>	0°C~50°C (with industrial grade CompactFlash)					
<b>Operation Humidity</b>	10% ~ 90%					
<b>Color</b>	S: Silver grey					
<b>Weight (Net/ Gross)</b>	1.4 kg / 2.2 kg			1.6 kg / 2.7 kg		
<b>Dimensions (DxWxH)</b>	163 mm x 200 mm x 60 mm			178 mm x 230 mm x 60 mm		
<b>EMC</b>	Meets FCC Class A, CE					

1 Industrial Computing Solutions

2 Embedded Computing Solutions

3 RISC-Based Embedded Solutions

4 Industrial Data Collector/ Server Solutions

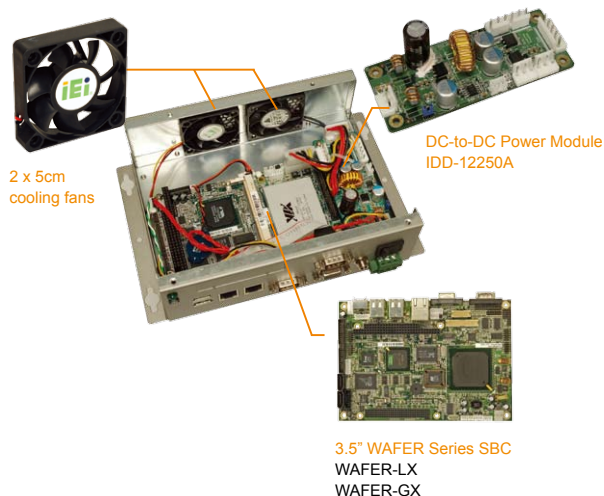
5 Video Capture Solutions

6 I/O Communication Solutions

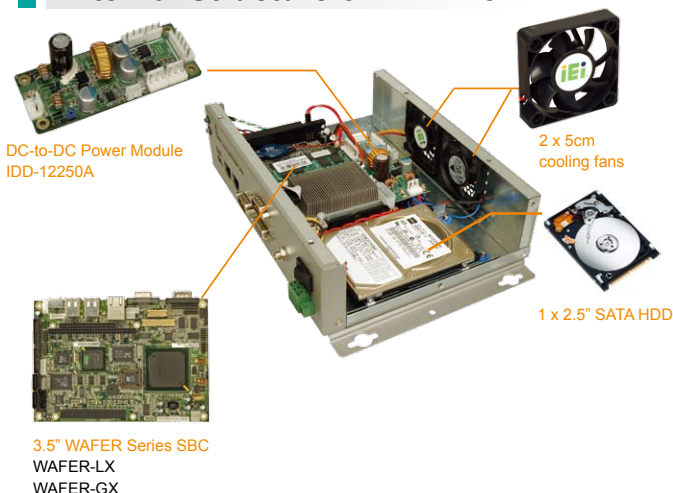
7 Panel Solutions

8 Power Supply/ Network Communication/ Peripherals

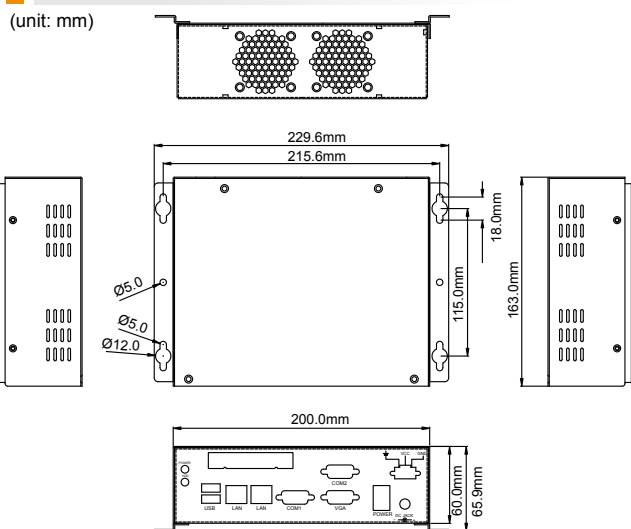
### Internal Structure of ECW-180A



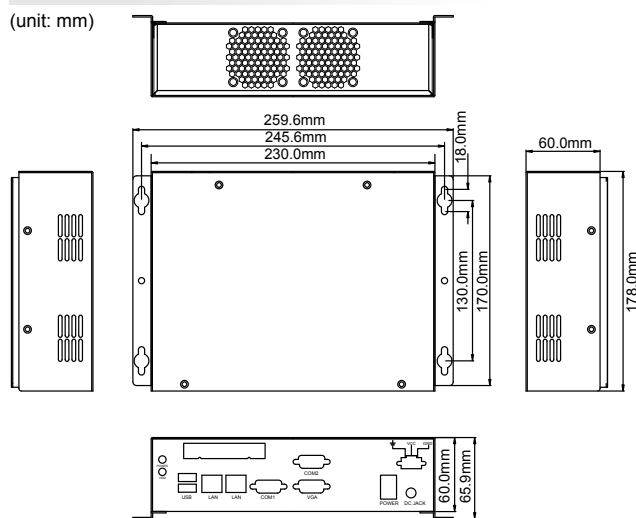
### Internal Structure of ECW-181A



### Dimensions of ECW-180A



### Dimensions of ECW-181A



### Ordering Information

#### DC 12V input

Part No.	Description
ECW-180AS1-R11/256MB	CF only embedded system with WAFER-LX, AMD® Geode LX-800 500 MHz CPU, 256MB DDR memory, with fan, 12VDC in, silver grey, RoHS
ECW-180AS2-R11/256MB	CF only embedded system with WAFER-GX, AMD® Geode GX-466 333 MHz CPU, 256MB DDR memory, with fan, 12VDC in, silver grey, RoHS
ECW-180AS5X-R11/512MB	CF only embedded system with WAFER-6612, Intel® Celeron® M 1.5GHz CPU, 512MB DDR memory, with fan, 12VDC in, silver grey, RoHS
ECW-181AS1-R11/256MB	Embedded system with WAFER-LX, AMD® Geode LX-800 500MHz CPU, 256MB DDR memory, with fan, 12VDC in, silver grey, RoHS
ECW-181AS2-R11/256MB	Embedded system with WAFER-GX, AMD® Geode GX-466 333MHz CPU, 256MB DDR memory, with fan, 12VDC in, silver grey, RoHS
ECW-181AS5X-R11/512MB	Embedded system with WAFER-6612, Intel® Celeron® M 1.5GHz CPU, 512MB DDR memory, with fan, 12VDC in, silver grey, RoHS

#### DC 9V~36V input

Part No.	Description
ECW-180AS1WD-R11/256MB	CF only embedded system with WAFER-LX, AMD® Geode LX-800 500MHz CPU, 256MB DDR memory, with fan, DC 9~36V input, silver grey, RoHS
ECW-180AS2WD-R11/256MB	CF only embedded system with WAFER-GX, AMD® Geode GX-466 333MHz CPU, 256MB DDR memory, with fan, DC 9~36V input, silver grey, RoHS
ECW-181AS1WD-R11/256MB	Embedded system with WAFER-LX, AMD® Geode LX-800 500MHz CPU, 256MB DDR memory, with fan, DC 9~36V input, silver grey, RoHS
ECW-181AS2WD-R11/256MB	Embedded system with WAFER-GX, AMD® Geode GX-466 333MHz CPU, 256MB DDR memory, with fan, DC 9~36V input, silver grey, RoHS
ECW-180AS5XWD-R11/512MB	CF only embedded system with WAFER-6612, Intel® Celeron® M 1.5GHz CPU, 512MB DDR memory, with fan, DC 9~36V input, silver grey, RoHS
ECW-181AS5XWD-R11/512MB	Embedded system with WAFER-6612, Intel® Celeron® M 1.5GHz CPU, 512MB DDR memory, with fan, DC 9~36V input, silver grey, RoHS

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

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