



## Esaware Panel IPC

### Design your own performance

The EW200 Panel IPC line satisfies the latest market and application requirements, thanks to new technological features such as LCD 16:9 widescreen display and resistive and capacitive touchscreen. Esaware Panel IPCs come in different sizes, from 12,1" to 21,5", and have been designed to work flawlessly in any situation.

Our unique Twist design and the PTFE non-stick coating prevent dust and dirt accumulation on the bezel, making it ideal for industrial environments.

Esaware Panel IPC's offer a comprehensive choice of options and configurations while maintaining high performance and lasting reliability.

These are EW200 Panel IPC MITX main features:

- SDRAM with DDR3 technology, less consumption but faster than DDR2
- Connection device on SATA 3.0, transfer baud rate up to 6.0 Gb/s.
- PCI / PCIe slot available
- Embedded and long availability Intel processors, based on 3rd and 4th Generation
- LCD wide-screen with LED backlight, 40% extra display surface

These are EW200 Panel IPC SLIM main features:

- Extremely reduced depth for CPU module.
- Intel Baytrail and Intel Haswell platforms, both fanless
- Embedded and long delivery 4th generation CPUs, engineered for high performances and low consumption
- CPUs Celeron J1900 quad core, Intel i3-4010U and Intel i7-4650U dual core, significantly increasing the overall performance
- New SoC technology (System-on-Chip): better performance with less components
- Enhanced embedded graphics with API directX 11.1
- RAM DDR3L, USB 3.0, 2 Intel® LANs



SLIM version  
CPUs 4th generation FANLESS  
USB 3.0  
2 independent LANs



MITX version.  
Variety of Atom and i-core CPUs  
FANLESS and FAN  
Accessible dual slot bay 2,5"  
2 independent LANs  
PCI / PCIe Slot



## EW200 MITX

Features	EW212	EW215	EW218	EW222
Display Size	12,1"	15,6"	18,5"	21,5"
Display Technology	TFT / 16,7 M			
Display Brightness (cd/m <sup>2</sup> )	400	300		
Contrast	1000	500	1000	5000
Viewing Angle	88/88/88/88	85/85/85/85	85/85/80/80	89/89/89/89
Display Resolution (pixel)	1280x800	1366x768		1920x1080
Backlight life (hours)	50 K			
Touch Technology	Resistive (5 wires) / Capacitive (PCT 10 touches)			
Bezel /Chassis	Aluminum with PTFE non-sticking coating / Sheet Steel			
CPU Fanless Atom CPU Fanless Celeron	Atom Dual Core N2800 1,86 GHz Celeron Quad Core J1900 2,0 GHz			
CPU Fan Intel® Core™ 3G	Intel Core i3-3120ME 2,4GHz/ i5-3610ME 2,7GHz/ i7-3610QE 2,3 GHz			
CPU Fan Intel® Core™ 6G	Intel Celeron G3900TE 2,6GHz/ Intel Core i3-6100TE 2,7GHz/ i5-6500TE 2,3GHz/ i7-6700TE 2,4 GHz			
Chipset	NM10 Atom / SoC / QM67 / Q170			
GPU embedded	GMA3650 650MHz / HD Graphics - 4000 / HD Graphics 9G 510-530			
RAM (Atom Dual Core) RAM (Celeron Quad Core)	up to 4GB DDR3 SODIMM 1066MHz 204 pin up to 8GB DDR3L SODIMM 1333MHz 204 pin			
RAM (Fan Intel® Core™) 3G RAM (Fan Intel® Core™) 6G	up to 16GB DDR3 SODIMM 1333/1600MHz 204 pin up to 32GB DDR4 SODIMM 1866/2133MHz 260 pin			
RS232 / RS485	2x RS232 + 1x RS232-422-485			
USB Port IP66 front USB Ports 2.0/3.0 rear	1x -no capacitive- 4/0 Atom - 3/1 Celeron - 4/0 iCore™ 3G - 0/4 iCore™ 6G			
Ethernet (Atom Dual Core) Ethernet (Celeron Quad Core)	2x 1Gb RJ45 Intel 82574L 2x 1Gb RJ45 Intel I210			
Ethernet (Fan iCore™) 3G Ethernet (Fan iCore™) 6G VGA/DVI-D (Atom Dual Core) VGA/DVI-D (Celeron Quad Core) VGA/DVI-D (Fan iCore™) 3G	2x 1Gb RJ45 Intel 82579LM / Realtek RTL8111DL 2x 1Gb RJ45 Intel I210AT / I219LM 1x / 1x (dimmable LCD backlight) 1x / 1x			
DVI-D/HDMI (Fan iCore™) 6G	1x / 1x			
Audio - PS2 (no iCore 6G)	1/0 (Atom-Celeron) - 1/1 (iCore 3G)			
CFast slot	1 x external accessible slot			
Mechanical Slot (optional)	1x PCIe x1 - 1x miniPCIe - 1x PCIe x16 - 1x PCI			
Drives RAID 0/1	HDD min. 500GB / SSD min. 32GB / CFast min. 4GB - Option			
Power Supply (Vdc)	18...30 VDC (25W-15" basic)			
Consumption (W)	-20 ... + 65			
Operating Temperature (°C)	-10 ... + 50 (non condensing)			
Storage Temperature (°C)	-20 ... + 65			
Humidity	90% (non condensing)			
External dimensions (W/H/D) (mm)	340,5x238,5x87,8 (max)	436,5x285,5x87,8 (max)	503,7x324,7x83,3	571,7x362,7x83,3
Cut-out dimensions (W/H) (mm)	326x227	422,5x271,5	486,5x307,5	554,5x345,5
Weight (kg)	4,5	6	8,5	10,5
Protection degree (front)	IP 66			
Certifications	CE / EN61000-6-2 / EN61000-6-4 / EN60068-2-6 / EN60068-2-6/27/30 cULus (Certificate no. E189179) / EAC / ATEX 2014/34/UE directive Group II Category 3 G D Zone 2/22			
Operating Systems (32/64 bit according to CPU type)	WIN7 - WES7 - WIN8.1 - WIN10 IoT Enterprise LTSB 2016			



## EW200 SLIM

Features	EW212	EW215	EW218	EW222
Display Size	12,1"	15,6"	18,5"	21,5"
Display Technology	TFT / 16,7 M			
Display Brightness (cd/m <sup>2</sup> )	400	300		
Contrast	1000	500	1000	5000
Viewing Angle	88/88/88/88	85/85/85/85	85/85/80/80	89/89/89/89
Display Resolution (pixel)	1280x800	1366x768		1920x1080
Backlight life (hours)	50 K			
Touch Technology	Resistive (5 wires) / Capacitive (PCT 10 touches)			
Bezel /Chassis	Aluminum with PTFE non-sticking coating / Sheet Steel			
CPU Fanless Celeron 4G CPU Fanless Intel® Core™ 4G	Celeron Quad Core J1900 2,0 GHz (2,42GHz) - 10W Intel Core i3-4010U 1,7GHz / i7-4650U 1,7GHz (3,3GHz) - 15W			
Chipset	SoC			
GPU embedded Celeron J1900 GPU embedded i-core i3-4010U GPU embedded i-core i7-4650U	HD Graphics HD Graphics 4400 HD Graphics 5000			
RAM (Celeron Quad Core) RAM (Fanless Intel® Core™)	on board 4GB DDR3L 1066/1333MHz - dual channel - up to 8GB DDR3L SODIMM 1333/1600MHz 204 pin -single channel-			
RS232 / RS485	1x RS232 + 1x RS485			
USB Port IP66 front USB Ports 2.0/3.0 rear	1x -no capacitive- 1x 2.0 + 1x 3.0 CPU J1900 / 4x 3.0 CPU Intel® Core™			
Ethernet Celeron J1900 Ethernet iCore™ i3/i7	2x 1Gb RJ45 Intel I210 2x 1Gb RJ45 Intel I210/I218			
VGA/DP (Celeron J1900) DP (iCore™ i3/i7)	1x / 1x (DP passive cable required) 2x (DP active cable required)			
RAID 0/1	2x SSD on CPU iCore / 2x mSATA on CPU J1900			
Expansion Slot	1x miniPCIe CPU J1900 / 2x miniPCIe CPU i-Core			
Drives externally accessible	CFast slot (option)			
Drives (internal)	HDD min. 500GB / SSD min. 32GB / mSATA min.32GB (options)			
Power Supply (Vdc)	15...36 (25W-15" basic)			
Consumption (W)	25-50			
Operating Temperature (°C)	-10 ... + 50 (non condensing)			
Storage Temperature (°C)	-20 ... + 65			
Humidity	90% (non condensing)			
External dimensions (W/H/D) (mm)	340,5x238,5x66,6 (max)	436,5x285,5x66,6 (max)	503,7x324,7x62,1	571,7x362,7x62,1
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Weight (kg)	4,5	6	8,5	10,5
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Operating Systems (32/64 bit according to CPU type)	WIN7 - WES7 - WIN8.1 - WIN10 IoT Enterprise LTSB 2016			