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.

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

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 backlit, 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

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/m²)	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)	50k			
Touch Technology	Resistive (5 wires) / Capacitive (PCT 10 touches)			
Bezel /Chassis	Aluminum with PTFE non-sticking coating / Sheet Steel			
CPU Fanless Atom	Atom dual core N2800 1,86 GHz			
CPU Fan Intel® Core™	Intel Core i3-3120ME 2,4GHz/ i5-3610ME 2,7GHz/ i7-3610QE 2,3 GHz			
Chipset	NM10 Atom / QM67 iCore			
GPU embedded	GMA3650 650MHz / HD Graphics - 4000			
RAM (Atom dual core)	up to 4GB DDR3 SODIMM 1066MHz 204 pin			
RAM (Fan Intel® Core™)	up to 16GB DDR3 SODIMM 1333/1600MHz 204 pin			
RS232 / RS485	2x RS232 + 1x RS232-422-485			
USB Port IP66 front	1x no capacitive			
USB Ports 2.0/3.0 rear	4x/0x ATOM/Intel®Core™ (fan)			
Ethernet (Atom dual core)	2x 1Gb RJ45 Intel 82574L			
Ethernet (Fan I-Core™)	2x 1Gb RJ45 Intel 82579/RTL8111			
VGA/DVI-D (Atom dual core)	1x / 1x (dimmable LCD backlit)			
VGA/DVI-D (Fan Intel® Core™)	1x / 1x			
Audio - PS2	1x Mic + Line in/out - Mouse/Keyboard			
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. 16GB / CFast min. 4GB - Option			
Power Supply (Vdc)	18...30 (25W-15" basic)			
Consumption (W)	25 – 65			
Operating Temperature (°C)	-10 ... + 50 (non condensing)			
Storage Temperature (°C)	-20 ... + 65			
Humidity	85% (non condensing)			
External dimensions (W/H/D) (mm)	341x239x86	437x286x86	504x325x89	572x363x89
Cut-out dimensions (W/H) (mm)	326,0x227,0	422,5x271,5	486,5x307,5	554,5x345,5
Weight (kg)	4,5	6	8,5	10,5
Operating systems	WIN7 - WES7			
Protection degree (front)	IP66			
Certifications	CE - EN61000-6-2 / EN61000-6-4 / EN60068-2-6/27/30 / cULus (Certificate no. E189179) / EAC / Atex Group II – Category 3 G-D Zone 2/22			

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/m²)	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)	50k			
Touch Technology	Resistive (5 wires) / Capacitive (PCT 10 touches)			
Bezel /Chassis	Aluminum with PTFE non-sticking coating / Sheet Steel			
CPU Fanless Celeron	Celeron quad core J1900 2,0 GHz (2,42GHz) – 10W			
CPU Fanless Intel® Core™	Intel Core i3-4010U 1,7GHz / i7-4650U 1,7GHz (3,3GHz) – 15W			
Chipset	SoC			
GPU embedded Celeron J1900	HD Graphics			
GPU embedded i-core i3-4010U	HD Graphics 4400			
GPU embedded i-core i7-4650U	HD Graphics 5000			
RAM (Celeron core)	on board 4GB DDR3L 1066/1333MHz - dual channel			
RAM (Intel® Core™)	up to 8GB DDR3L SODIMM 1333/1600MHz 204 pin -single channel			
RS232 / RS485	1x RS232 + 1x RS485			
USB Port IP66 front	1x - no capacitive -			
USB Ports 2.0/3.0 rear	1x 2.0 + 1x 3.0 CPU J1900 / 4x 3.0 CPU Intel®Core™			
VGA/DP (Celeron J1900)	1x / 1x (DP passive cable required)			
DP (i-Core™ i3/i7)	2x (DP active cable required)			
RAID 0/1	2x SSD on CPU i-core / 2x mSATA on CPU J1900			
Expansion Slot	1x miniPCIe CPU J1900 / 2x miniPCIe CPU i-core			
Drives externally accessible	HDD min. 500GB / SSD min. 16GB / CFast min. 4GB - Options			
Power Supply (Vdc)	15...36 (25W-15” basic)			
Operating Temperature (°C)	-10 ... + 50 (non condensing)			
Storage Temperature (°C)	-20 ... + 65			
Humidity	90% (non condensing)			
External dimensions (W/H/D) (mm)	341x239x64	437x286x64	504x325x67	572x363x67
Cut-out dimensions (W/H) (mm)	326,0x227,0	422,5x271,5	486,5x307,5	554,5x345,5
Weight (kg)	4,5	6	8,5	10,5
Operating Systems	WIN7 - WES7 - WIN8.1			
Protection degree (front)	IP66			
Certifications	CE / EN61000-6-2 / EN61000-6-4 / EN60068-2-6 / EN60068-2-6/27/30 / cULus / EAC / Atex Group II – Category 3 G-D Zone 2/22			

Industrial PC Configuration Tool

ESA Automation has equipped its entire sales network with the ingenious PC Configuration Tool. As a result, after consultation with the customer, ESA Automation sales engineer can provide a “tailor-made” quotation that generates a unique IPC code. The whole process from initial customer contact to providing the quotation is quick, efficient and above all provides a detailed product specification for every customer request.