



Esaware Panel IPC (EW200 MITX)

Design your own performance

	EW212	EW215	EW218	EW222
Display Size	12,1"	15,6"	18,5"	21,5"
Display Technology	TFT / 16,7 M			
Display Brightness (cd/m ²)	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 Fanless Celeron	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)	up to 4GB DDR3 SODIMM 1066MHz 204 pin			
RAM (Celeron Quad Core)	up to 8GB DDR3L SODIMM 1333MHz 204 pin			
RAM (Fan Intel® Core™) 3G	up to 16GB DDR3 SODIMM 1333/1600MHz 204 pin			
RAM (Fan Intel® Core™) 6G	up to 32GB DDR4 SODIMM 1866/2133MHz 260 pin			
RS232 / RS485	2x RS232 + 1x RS232-422-485			
USB Port IP66 front	1x -no capacitive-			
USB Ports 2.0/3.0 rear	4/0 Atom - 3/1 Celeron - 4/0 iCore™ 3G - 0/4 iCore™ 6G			
Ethernet (Atom Dual Core)	2x 1Gb RJ45 Intel 82574L			
Ethernet (Celeron Quad Core)	2x 1Gb RJ45 Intel I210			
Ethernet (Fan iCore™) 3G	2x 1Gb RJ45 Intel 82579LM / Realtek RTL8111DL			
Ethernet (Fan iCore™) 6G	2x 1Gb RJ45 Intel I210AT / I219LM			
VGA/DVI-D (Atom Dual Core)	1x / 1x (dimmable LCD backlit)			
VGA/DVI-D (Celeron Quad Core)	1x / 1x			
VGA/DVI-D (Fan iCore™) 3G	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)	25W - 65W			
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 / EN60068-2-6/27/30 cULus (Certificate no. E189179) / EAC ATEX 2014/34/UE directive Group II Category 3 GD Zone 2/22			
Operating Systems (32/64 bit according to CPU type)	WIN7 - WES7 - WIN8.1 - WIN10 IoT Enterprise LTSB 2016			

Esaware Panel IPC (EW200 SLIM)

Design your own performance

	EW212	EW215	EW218	EW222
Display Size	12,1"	15,6"	18,5"	21,5"
Display Technology	TFT / 16,7 M			
Display Brightness (cd/m ²)	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 4G	Celeron Quad Core J1900 2,0 GHz (2,42GHz) - 10W			
CPU Fanless Intel® Core™ 4G	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 Quad Core)	on board 4GB DDR3L 1066/1333MHz - dual channel -			
RAM (Fanless 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™			
Ethernet Celeron J1900	2x 1Gb RJ45 Intel I210			
Ethernet iCore™ i3/i7	2x 1Gb RJ45 Intel I210/I218			
VGA/DP (Celeron J1900)	1x / 1x (DP passive cable required)			
DP (iCore™ i3/i7)	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
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 LTSC 2016