



# Esaware Panel IPC (EW200 SLIM)

Design your own performance

	EW212	EW215	EW218	EW222
<b>Display Size</b>	12,1"	15,6"	18,5"	21,5"
<b>Display Technology</b>	TFT / 16,7 M	TFT / 16,7 M	TFT / 16,7 M	TFT / 16,7 M
<b>Display Brightness (cd/m<sup>2</sup>)</b>	400	300	300	300
<b>Contrast</b>	1000:01:00	500:01:00	1000:01:00	5000:01:00
<b>Viewing Angle H-V</b>	88/88/88/88	85/85/85/85	85/85/80/80	89/89/89/89
<b>Display Resolution (pixel)</b>	1280x800	1366x768	1366x768	1920x1080
<b>Backlight life (hours)</b>	50K	50K	50K	50K
<b>Touch Technology</b>	Resistive (5 wires) / Capacitive (PCT 10 touches)	Resistive (5 wires) / Capacitive (PCT 10 touches)	Resistive (5 wires) / Capacitive (PCT 10 touches)	Resistive (5 wires) / Capacitive (PCT 10 touches)
<b>Bezel /Chassis</b>	Aluminum - PTFE non-sticking coating/Sheet Steel	Aluminum - PTFE non-sticking coating/Sheet Steel	Aluminum - PTFE non-sticking coating/Sheet Steel	Aluminum - PTFE non-sticking coating/Sheet Steel
<b>CPU Fanless Celeron 4G</b>	Celeron quad core J1900 2,0 GHz (2,42GHz) – 10W	Celeron quad core J1900 2,0 GHz (2,42GHz) – 10W	Celeron quad core J1900 2,0 GHz (2,42GHz) – 10W	Celeron quad core J1900 2,0 GHz (2,42GHz) – 10W
<b>CPU Fanless Celeron 6G</b>	Celeron Quad Core J34551,5GHz(2,30 GHz) – 10W	Celeron Quad Core J34551,5GHz(2,30 GHz) – 10W	Celeron Quad Core J34551,5GHz(2,30 GHz) – 10W	Celeron Quad Core J34551,5GHz(2,30 GHz) – 10W
<b>CPU Fanless Intel® Core™ 4G</b>	Intel Core i3-4010U 1,7GHz / i7-4650U 1,7GHz (3,3GHz) – 15W	Intel Core i3-4010U 1,7GHz / i7-4650U 1,7GHz (3,3GHz) – 15W	Intel Core i3-4010U 1,7GHz / i7-4650U 1,7GHz (3,3GHz) – 15W	Intel Core i3-4010U 1,7GHz / i7-4650U 1,7GHz (3,3GHz) – 15W
<b>CPU Fanless Intel Core 7G</b>	Intel Core i3-7100U 2,4 GHz / i5-7300U 3,5 GHz / i7-7600U 2,8 GHz – 15W	Intel Core i3-7100U 2,4 GHz / i5-7300U 3,5 GHz / i7-7600U 2,8 GHz – 15W	Intel Core i3-7100U 2,4 GHz / i5-7300U 3,5 GHz / i7-7600U 2,8 GHz – 15W	Intel Core i3-7100U 2,4 GHz / i5-7300U 3,5 GHz / i7-7600U 2,8 GHz – 15W
<b>Chipset</b>	SoC	SoC	SoC	SoC
<b>GPU embedded Celeron J1900</b>	HD Graphics	HD Graphics	HD Graphics	HD Graphics
<b>GPU embedded i-core i3-4010U</b>	HD Graphics 4400	HD Graphics 4400	HD Graphics 4400	HD Graphics 4400
<b>GPU embedded i-code i5-7300U</b>	HD Graphics 620 – up to 1,10 GHz	HD Graphics 620 – up to 1,10 GHz	HD Graphics 620 – up to 1,10 GHz	HD Graphics 620 – up to 1,10 GHz
<b>GPU embedded i-core i7-4650U</b>	HD Graphics 5000	HD Graphics 5000	HD Graphics 5000	HD Graphics 5000
<b>RAM (Celeron quad core)</b>	on board 4GB DDR3L 1066/1333MHz - dual channel -	on board 4GB DDR3L 1066/1333MHz - dual channel -	on board 4GB DDR3L 1066/1333MHz - dual channel -	on board 4GB DDR3L 1066/1333MHz - dual channel -



<b>RAM (Fanless Intel® Core™)</b>	up to 8GB DDR3L SODIMM 1333/1600MHz 204 pin -single channel-	up to 8GB DDR3L SODIMM 1333/1600MHz 204 pin -single channel-	up to 8GB DDR3L SODIMM 1333/1600MHz 204 pin -single channel-	up to 8GB DDR3L SODIMM 1333/1600MHz 204 pin -single channel-
<b>RS232 / RS485</b>	1x RS232 + 1x RS485	1x RS232 + 1x RS485	1x RS232 + 1x RS485	1x RS232 + 1x RS485
<b>USB Port IP66 front</b>	1x -no capacitive-	1x -no capacitive-	1x -no capacitive-	1x -no capacitive-
<b>USB Ports 2.0/3.0 rear</b>	1x 2.0 + 1x 3.0 cpu J1900 / 4x 3.0 cpu Intel®Core™	1x 2.0 + 1x 3.0 cpu J1900 / 4x 3.0 cpu Intel®Core™	1x 2.0 + 1x 3.0 cpu J1900 / 4x 3.0 cpu Intel®Core™	1x 2.0 + 1x 3.0 cpu J1900 / 4x 3.0 cpu Intel®Core™
<b>Ethernet Celeron J1900</b>	2x 1Gb RJ45 Intel I210	2x 1Gb RJ45 Intel I210	2x 1Gb RJ45 Intel I210	2x 1Gb RJ45 Intel I210
<b>Ethernet i-Core™ i3/i7</b>	2x 1Gb RJ45 Intel I210/I218	2x 1Gb RJ45 Intel I210/I218	2x 1Gb RJ45 Intel I210/I218	2x 1Gb RJ45 Intel I210/I218
<b>VGA/DP ( Celeron J1900)</b>	1x / 1x (DP passive cable required)	1x / 1x (DP passive cable required)	1x / 1x (DP passive cable required)	1x / 1x (DP passive cable required)
<b>DP (i-Core™ i3/i5/i7)</b>	2x (DP active cable required)	2x (DP active cable required)	2x (DP active cable required)	2x (DP active cable required)
<b>RAID 0/1</b>	2x SSD on cpu i-core / 2x mSATA on cpu J1900	2x SSD on cpu i-core / 2x mSATA on cpu J1900	2x SSD on cpu i-core / 2x mSATA on cpu J1900	2x SSD on cpu i-core / 2x mSATA on cpu J1900
<b>Expansion Slot</b>	1x miniPCIe CPU J1900 / 2x miniPCIe CPU i-Core	1x miniPCIe CPU J1900 / 2x miniPCIe CPU i-Core	1x miniPCIe CPU J1900 / 2x miniPCIe CPU i-Core	1x miniPCIe CPU J1900 / 2x miniPCIe CPU i-Core
<b>Drives externally accessible</b>	CFast slot (option)	CFast slot (option)	CFast slot (option)	CFast slot (option)
<b>Drives (internal)</b>	HDD min. 500GB / SSD min. 16GB / mSATA min.32GB (options)	HDD min. 500GB / SSD min. 16GB / mSATA min.32GB (options)	HDD min. 500GB / SSD min. 16GB / mSATA min.32GB (options)	HDD min. 500GB / SSD min. 16GB / mSATA min.32GB (options)
<b>Power Supply (Vdc)</b>	15...36 VDC (25W-15" basic)	15...36 VDC (25W-15" basic)	15...36 VDC (25W-15" basic)	15...36 VDC (25W-15" basic)
<b>Consumption (W)</b>	25 - 50	25 - 50	25 - 50	25 - 50
<b>Operating Temperature (°C)</b>	-10 ... + 50 (non condensing)	-10 ... + 50 (non condensing)	-10 ... + 50 (non condensing)	-10 ... + 50 (non condensing)
<b>Storage Temperature (°C)</b>	-20 ... + 65	-20 ... + 65	-20 ... + 65	-20 ... + 65
<b>Humidity</b>	90% (non condensing)	90% (non condensing)	90% (non condensing)	90% (non condensing)
<b>External dimensions (W/H/D) (mm)</b>	340,5x238,5x66,6 (max)	436,5x285,5x66,6 (max)	503,7x324,7x62,1	571,7x362,7x62,1
<b>Cut-out dimensions (W/H) (mm)</b>	326,0x227,0	422,5x271,5	486,5x307,5	554,5x345,5
<b>Weight (kg)</b>	4,5	6	8,5	10,5
<b>Operating systems</b>	WIN7-WES7-WIN8.1	WIN7-WES7-WIN8.1	WIN7-WES7-WIN8.1	WIN7-WES7-WIN8.1
<b>Protection degree (front)</b>	IP66	IP66	IP66	IP66



<b>Certifications</b>	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	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	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	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
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