

Heavy Industry Panel PCs

Intel® Core™ Desktop Processors

intel
Alder Lake-S



LCD Size	15"	15.6"	17"
Model	PPC2-C15-ADL	PPC2-CW15-ADL	PPC2-C17-ADL
Max. Resolution	1024 x 768 (4:3)	1920 x 1080 (16:9)	1280 x 1024 (5:4)
Brightness	400 cd/m ²	450 cd/m ²	350 cd/m ²
Contrast Ratio	800:1	800:1	800:1
LCD Color	16.2M	16.2M	16.7M
Pixel Pitch (mm)	0.297 x 0.297	0.252 x 0.252	0.26 x 0.26
Viewing Angle (H-V)	176°/176°	178°/178°	160°/140°
Backlight MTBF	70,000 hours	50,000 hours	50,000 hours
CPU	Support 12th/13th/14th Gen Intel® Core™ i9/i7/i5/i3 and Pentium® Processor (LGA1700)		
Chipset	Intel® H610		
Graphics Engine	New Intel® Xe Graphics architecture with SRIOV, Genlock		
Display Output	1 x HDMI 2.0		
Memory	1 x 8GB 3200Mhz SO-DIMM DDR4 (Max. 64GB)		
Touchscreen	Multi-point projected capacitive type Surface hardness: ≥7H		
Touch Controller	Projected capacitive type: EETI 80		
Storage	1 x 2.5" SATA HDD bay		
Ethernet	LAN1: Intel® I225/I226 + LAN2: Intel® I225/I226		
Expansion	1 x PCIe Gen4 x16 slot with x16 signal 1 x M.2 E-Key 2230 (PCIe Gen3 x1 + CNVio + USB 2.0) 1 x M.2 M Key 2242/2280 NVMe (PCIe Gen3 x4)		
Mounting	VESA 100mm x 100mm Panel, Wall, Rack, Stand and Arm		
Construction Material	Aluminum front cover and sheet metal rear cover		
Enclosure Color	Black C		
I/O Ports, Switches and Buttons	1 x HDMI 2.0 2 x 2.5GbE RJ45 2 x USB 2.0 (Type-A) 2 x USB 3.2 Gen1 (Type-A) (5Gb/s) 2 x USB 3.2 Gen2 (Type-A) (10Gb/s) 1 x RS-232/422/485 (RS-485 support AFC)	4 x RS-232 1 x AC input 1 x Power switch 1 x Clear CMOS button 1 x Reset button 1 x AT/ATX switch	
Power Supply	AC input ATX power supply 250W power supply - Input: 100V~240V AC, 47Hz-63Hz - Output (max.): 3.3V@6A, 5V@12A, 12V@17A, -12V@0.5A, +5Vsb@2A Support AT/ATX mode, ErP/EuP Compliant		
Thermal Solution	Smart fan (2 x CPU fan, 2 x System fan)		
TPM	Intel® Platform Trust Technology		
Watchdog Timer	Software Programmable Support 1~255 sec. system reset		
Operating Temperature (with air flow)	-10°C ~ 60°C		
Storage Temperature	-20°C ~ 60°C		
Humidity	10% ~ 95%@40, non-condensing		
IP Level	IP 65 compliant front panel		
Operating Vibration	MIL-STD-810G 514.6C-1 (with SSD)		
Operating Shock	Half-sine wave shock 5G; 11ms; 100 shocks per axis		
Safety and EMC	CE, FCC Class A, UKCA		
ErP	ErP 2009/125/EC		
Dimensions (H x W x D) (mm)	378.5 x 303 x 76.16	400.70 x 253.90 x 86.45	408.40 x 341.40 x 84.70
Net Weight	5.715 kg	5.64 kg	5.73 kg

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LCD Size	18.5"	19"	21.5"
Model	PPC2-CW19-ADL	PPC2-C19-ADL	PPC2-CW22-ADL
Max. Resolution	1920 x 1080 (16:9)	1280 x 1024 (5:4)	1920 x 1080 (16:9)
Brightness	350 cd/m ²	450 cd/m ²	350 cd/m ²
Contrast Ratio	1200:1	1000:1	1000:1
LCD Color	16.7M	16.7M	16.7M
Pixel Pitch (mm)	0.3 x 0.3	0.294 x 0.294	0.3 x 0.3
Viewing Angle (H-V)	170°/170°	178°/178°	178°/178°
Backlight MTBF	50,000 hours	50,000 hours	50,000 hours
CPU	Support 12th/13th/14th Gen Intel® Core™ i9/i7/i5/i3 and Pentium® Processor (LGA1700)		
Chipset	Intel® H610		
Graphics Engine	New Intel® Xe Graphics architecture with SRIOV, Genlock		
Display Output	1 x HDMI 2.0		
Memory	1 x 8GB 3200Mhz SO-DIMM DDR4 (Max. 64GB)		
Touchscreen	Multi-point projected capacitive type Surface hardness: ≥7H		
Touch Controller	Projected capacitive type: EETI 80		
Storage	1 x 2.5" SATA HDD bay		
Ethernet	LAN1: Intel® I225/I226 + LAN2: Intel® I225/I226		
Expansion	1 x PCIe Gen4 x16 slot with x16 signal 1 x M.2 E-Key 2230 (PCIe Gen3 x1 + CNVio + USB 2.0) 1 x M.2 M Key 2242/2280 NVMe (PCIe Gen3 x4)		
Mounting	VESA 100mm x 100mm Panel, Wall, Rack, Stand and Arm		
Construction Material	Aluminum front cover and sheet metal rear cover		
Enclosure Color	Black C		
I/O Ports, Switches and Buttons	1 x HDMI 2.0 2 x 2.5GbE RJ45 2 x USB 2.0 (Type-A) 2 x USB 3.2 Gen1 (Type-A) (5Gb/s) 2 x USB 3.2 Gen2 (Type-A) (10Gb/s) 1 x RS-232/422/485 (RS-485 support AFC)	4 x RS-232 1 x AC input 1 x Power switch 1 x Clear CMOS button 1 x Reset button 1 x AT/ATX switch	
Power Supply	AC input ATX power supply 250W power supply - Input: 100V~240V AC, 47Hz-63Hz - Output (max.): 3.3V@6A, 5V@12A, 12V@17A, -12V@0.5A, +5Vsb@2A Support AT/ATX mode ErP/EuP Compliant		
Thermal Solution	Smart fan (2 x CPU fan, 2 x System fan)		
TPM	Intel® Platform Trust Technology		
Watchdog Timer	Software Programmable Support 1~255 sec. system reset		
Operating Temperature (with air flow)	-10°C ~ 60°C	-10°C ~ 60°C	-10°C ~ 50°C
Storage Temperature	-20°C ~ 60°C		
Humidity	10% ~ 95%@40, non-condensing		
IP Level	IP 65 compliant front panel		
Operating Vibration	MIL-STD-810G 514.6C-1 (with SSD)		
Operating Shock	Half-sine wave shock 5G; 11ms; 100 shocks per axis		
Safety and EMC	CE, FCC Class A, UKCA		
ErP	ErP 2009/125/EC		
Dimensions(H x W x D) (mm)	468.80 x 288.20 x 82	447.4 x 372.4 x 82.2	550.40 x 358.40 x 81.66
Net Weight	6.965 kg	7.66 kg	8.205 kg