

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 |