



KPC-1570/1770 Series

15"/17" Industrial Panel PC with Intel® BayTrail Processors



- 15"/ 17" TFT LCD Display with 5-wire Resistive TouchScreen
- Intel® BayTrail Processors
- Intel® HD Graphics
- IP65 approved front bezel
- 2x GbE, 2x COMs, 4x USB 2.0, 1x USB 3.0, 1x Mini-PCIe slot
- HDMI, VGA, HD Audio
- Fanless design

Product Overview

The KPC-1570/1770 Series Panel PCs is supporting Intel® BayTrail Processors. Featured are DDR3L SODIMM, Storage includes a 2.5" SATA hard drive or a solid-state drive (SSD), and slim optical drive. Supported interfaces include 2x GbE LAN, HD audio, 2x COM, 4x USB 2.0 ports, 1x USB 3.0, VGA and HDMI, thus easily meeting a broad range of customer requirements.

The KPC series provide a compact, high performance human-machine interface, with optimal shock, vibration and temperature resistance for tough industrial demands.

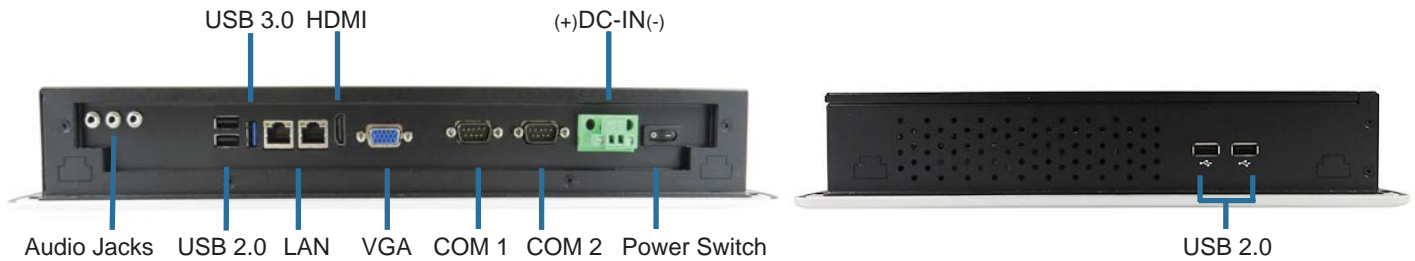
Technical Information

CPU Support		
KPC-1570/1770: Intel® Celeron® J1900 (Quad Core, 2M Cache, up to 2.42 GHz, FCBGA1170 Socket, 10W TDP)		
KPC-1571/1771: Intel® Atom™ E3845 (Quad Core, 2M Cache, 1.91 GHz, FCBGA1170 Socket, 10W TDP)		
Memory		
1x DDR3L 1333 SO-DIMM up to 8GB		
Graphic Controller		
Intel® HD Graphics		
Display Panel	KPC-1570/1571	KPC-1770/1771
Size	15 inch	17 inch
Aspect Ratio	4:3	5:4
Backlight	LED	LED
Resolution	1024 x 768 XGA	1280 x 1024 SXGA
Brightness (cd/m ² , typ.)	350	350
Contrast Ratio (typ.)	600:1	1000:1
Color	16.2M	16.2M
Viewing Angle (L/R/H/L)	45°/45°/20°/45°	85°/85°/80°/80°
Touch	5-wire resistive	5-wire resistive
Display Interfaces		
1x HDMI (on rear, 1920 x 1080 @ 60Hz)		
1x VGA (on rear, 2560 x 1600 @ 60Hz)		
Multiple Display		
Dual		
Audio Chipset		
Realtek ALC662		
Audio Interfaces		
2x Speaker-out (3W)		
1x Line-in (on rear)		
1x Line-out (on rear)		
1x Mic-in (on rear)		
Ethernet		
2x LAN (RJ-45 on rear, 1x Intel® I210-AT, 1x Realtek RTL8111G)		
USB		
1x USB3.0 (Type A on rear)		
4x USB2.0 (2x Type A on rear + 2x on right for 15", 4x on rear for 17")		
Serial Ports		
2x RS-232/422/485 (DB9 on rear)		

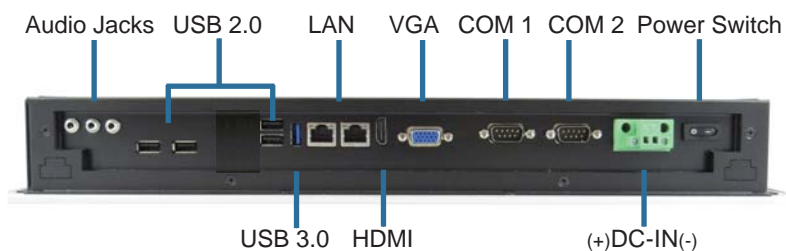
Storage & Expansion	
1x 2.5" SATA HDD / SSD	
1x mSATA	
1x mPCIe	
1x SIM Cage (optional)	
Power Supply	
Connector: Phoenix Connector (on rear)	
Input Voltage: DC 12V	
Power Adapter: AC to DC, 100V ~ 240V	
Firmware	
BIOS: AMI uEFI BIOS w/ 64Mb SPI Flash	
Watchdog: Programmable WDT to generate system reset event	
H/W Monitor: Voltages, Temperatures	
Real Time Clock: SoC integrated RTC	
TPM: optional for KPC-1571/1771 (Infineon SLB 9635 TPM 1.2)	
System Control & Monitoring	
1x Power Switch (on rear)	
1x Power LED (on front)	
Cooling	
Fanless	
OS Support	
Windows 7, Windows 8	
Construction	
Metal Chassis + Aluminium Front Bezel	
Dimensions (W x H x D)	
410 x 315 x 58 mm / 16.14" x 12.40" x 2.28" (KPC-1570/1571)	
442 x 354 x 58 mm / 17.40" x 13.94" x 2.28" (KPC-1770/1771)	
Weight	
TBD (KPC-1570/1571)	
TBD (KPC-1770/1771)	
Mounting	
VESA Mount, Panel Mount	
Environmental Characteristics	
Operation Temp.: 0°C ~ 50°C / 32°F ~ 122°F	
Storage Temp.: -20°C ~ 70°C / -4°F ~ 158°F	
Humidity: 0% ~ 95%	
Certification	
CE, FCC Class A, IP65 (front bezel)	

I/O Ports

KPC-1570 Series



KPC-1770 Series



Ordering Information

Article		Description
KPC-1570*	KPC-1770*	15" / 17" Touch Panel PC, Intel® Celeron® BayTrail Quad Core J1900 Processor, 1x DDR3L SODIMM , 2 x GbE LANs, 1 x mini-PCIe, 2 x COMs, 1x VGA, 1x HDMI, 4x USB 2.0, and 1x USB 3.0
KPC-1571	KPC-1771	15" / 17" Touch Panel PC, Intel® Atom™ BayTrail Quad Core E3845 Processor, 1 x DDR3L SODIMM, 2 x GbE LANs, 1 x mini-PCIe, 2 x COMs, 1x VGA, 1x HDMI, 4x USB 2.0, and 1x USB 3.0

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