

KPC-1900

Preliminary

19" Industrial Touch Panel PC
with 6th Generation Intel® Core™ i Processor



- LGA1151 Socket 6th Generation Intel® Core™ i Processor
- Intel® Q170 Express Chipset
- 2x DDR4 1866/2133 SO-DIMM Socket up to 32GB
- 1x 2.5" HDD / SSD, 1x mSATA (shared w/ mPCIe) for Storage
- 19" 5-wire resistive LCD touch display
- 1x DVI-D, 2x DP for display output
- Triple display support
- 2x LAN, 2x PCIe x8, 2x mPCIe, 1x SIM cage (optional) for network / expansion
- 4x USB3.0, 2x USB2.0, 6x COM for peripheral connection
- TPM & iAMT support
- IP65 aluminium front bezel with brushed finish

Product Overview

Powered by Intel®'s latest 6th Generation Skylake Core™ i Processor, KPC-1900 Panel PC has greatly improved graphics performance, power efficiency and wireless connectivity. In addition to 1x DVI-D, 2x DP, 4x USB3.0, 2x USB2.0, 6x COM, and 2x LAN for display output, peripheral applications and wired networking, it has a variety of expansion slots /sockets for wireless, storage or other

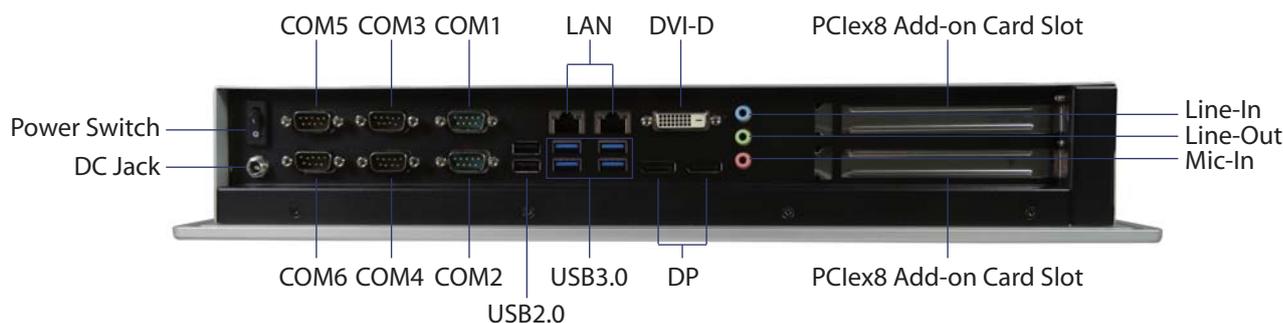
function expansion, including PCIe8 add-on card, mPCIe / mSATA, SATA slots / sockets.

Finally, an IP65-rated aluminium front bezel with brushed finishing that houses the LCD display can not only provide good resistance to water spray but also deliver an aesthetic touch to any space.

Technical Information

CPU Support		Serial Ports	
FCLGA1151 Socket 6th Generation Intel® Core™ i Processor (Dual / Quad Core, 3M ~ 8M Cache, 2.20 ~ 3.60 GHz, up to 45W TDP)		3x RS-232/422/485 (DB9 on rear) 3x RS-232 (DB9 on rear)	
Chipset		Expansion	
Intel® Q170		2x PCIe8 add-on card slot up to 2x mPCIe (shared w/ mSATA) 1x SIM Card Cage (optional)	
Memory		Power Supply	
2x DDR4 1866/2133 SO-DIMM up to 32GB		Connector: Lockable DC Jack (on rear) Input Voltage: DC12V	
Storage		Firmware	
1x 2.5" HDD / SSD 1x mSATA (shared w/ mPCIe)		BIOS: AMI uEFI BIOS w/ 128Mb SPI Flash Watchdog: Programmable WDT to generate system reset event H/W Monitor: Input & Core Voltages, CPU & System Temperatures Real Time Clock: Chipset integrated RTC TPM: Yes (Infineon SLB 9660 TPM 1.2) iAMT: Yes	
Graphic Controller		System Control & Monitoring	
Intel® HD Graphics 530		1x Power Switch (on rear)	
Display Panel		Cooling	
Size	19 inch	Fanned	
Aspect Ratio	5:4	OS Support	
Backlight	LED	Windows, Linux	
Resolution	1280x1024 SXGA	Construction	
Brightness (cd/m², typ.)	250	Metal Chassis + Aluminium Front Bezel	
Contrast Ratio (typ.)	1000:1	Dimensions (W x H x D)	
Color	16.7M	448 x 373 x 72.5 mm / 17.64" x 14.69" x 2.85"	
Viewing Angle (L/R/H/L)	85°/85°/80°/80°	Weight	
Touch	5-wire resistive touch sensor	6.8 kg / 14.99 lb	
Display Interfaces		Mounting	
1x DVI-D (on rear, 2560 x 1600 @ 60Hz) 2x DP (on rear, 4096 x 2304 @ 60Hz) Triple Display		VESA Mount, Panel Mount	
Audio Chipset		Environmental Characteristics	
Realtek ALC662		Operation Temp.: 0°C ~ 50°C / 32°F ~ 122°F Storage Temp.: -20°C ~ 70°C / -4°F ~ 158°F Humidity: 0% ~ 95%	
Audio Interfaces		Certification	
1x Line-in (on rear) 1x Line-out (on rear) 1x Mic-in (on rear)		CE, FCC Class A, IP65 (front bezel)	
Ethernet			
2x LAN (RJ-45 on rear, 1x Intel® I219-LM, 1x Intel® I210-AT)			
USB			
4x USB3.0 (Type A on rear) 2x USB2.0 (Type A on rear)			

KPC-1900 Rear I/Os



Mechanical Dimensions

