



KPC-15B0/17B0

15" / 17" Industrial Touch Panel PC
with Intel® Haswell M-Series Processors



- 4th Generation Intel® Haswell M-Series Processors
- Intel® HM87 / QM87 Express Chipset
- Intel® HD Graphics (4600) Processor Graphics
- 1x VGA, 1x HDMI, 1x DVI-D
- 2x DDR3L SO-DIMM Sockets up to 16GB
- 2x mPCIe, 1x SATA
- 4x USB3.0, 4x COM, 2x GbE, 1x DIO



Product Overview

Powered by Intel® Haswell processor, the KPC-15B0/17B0 Panel PCs have excellent performance in both computing and graphics. It also reserves space for one 2.5" SATA HDD / SSD slot for storage expansion, OS upgrade or other data security applications. With a variety of I/O ports and expansion slots including 2x GbE LAN, 4x USB 3.0, 4x COM, 1x HDMI, 1x DVI-D, 1x VGA, 1xDIO and 2x

mPCIe, it thus easily meets a broad range of customer requirements.

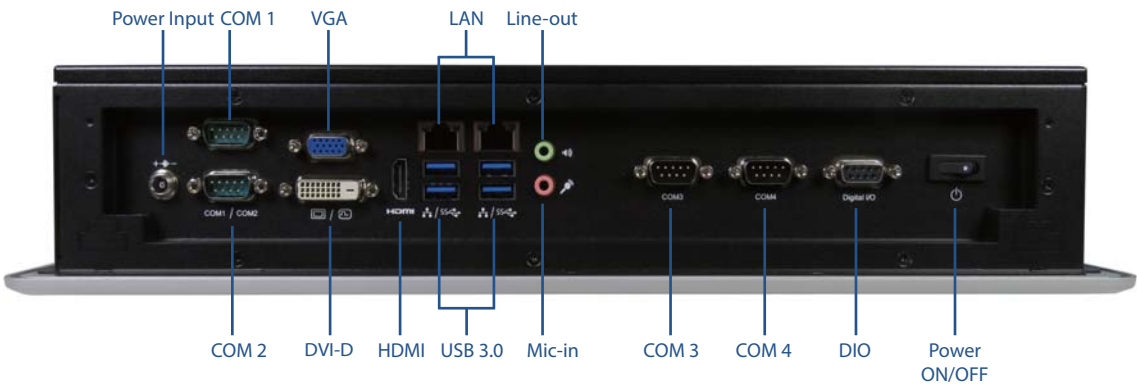
Moreover, the series features the compact chassis, friendly human-machine interface, good resistance to shock, vibration and temperature, it is really an ideal solution to tough industrial environments.

Technical Information

CPU Support		
FCPGA946 Socket 4th Generation Intel® Core™ i / Celeron® Processor (Dual / Quad Core, 2M ~ 8M Cache, 2.00 ~ 3.90 GHz, 37W ~ 57W TDP)		
Chipset		
Intel® HM87 / QM87		
Memory		
2x DDR3L 1333/1600 SO-DIMM up to 16GB		
Graphic Controller		
Intel® HD Graphics 4600 (Core™ i CPU) Intel® HD Graphics (Celeron® CPU)		
Display Panel	KPC-15B0	KPC-17B0
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/m², 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, 2560 x 1600 @ 60Hz) 1x DVI-D (on rear, 1920 x 1200 @ 60Hz) 1x VGA (on rear, 1920 x 1200 @ 60Hz)		
Multiple Display		
Triple		
Audio Chipset		
Realtek ALC662		
Audio Interfaces		
2x Speaker-out (3W) 1x Line-out (on rear) 1x Mic-in (on rear)		
Ethernet		
2x LAN (RJ-45 on rear, 1x Intel® I217-LM, 1x Intel® I210-AT)		
USB		
4x USB3.0 (Type A on rear)		
Serial Ports		
2x RS-232/422/485 (DB9 on rear) 2x RS-232 (DB9 on rear)		

Other I/Os	
1x DIO (DB9 Female on rear)	
Storage & Expansion	
1x 2.5" SATA HDD / SSD 2x mPCIe (1x full size, 1x half size) 1x SIM Cage (optional)	
Power Supply	
Connector: Lockable DC Jack (on rear) Input Voltage: DC12V Power Adapter: AC to DC, 100V ~ 240V	
Firmware	
BIOS: AMI uEFI BIOS w/ 128Mb SPI Flash Watchdog: Programmable WDT to generate system reset event H/W Monitor: Voltages, Temperatures Real Time Clock: Chipset integrated RTC iAMT: depending on processor	
System Control & Monitoring	
1x Power Switch (on rear) 1x Power LED (on front)	
Cooling	
1x CPU Smart Fan 1x System Smart Fan	
OS Support	
Windows 7, Windows 8, Linux	
Construction	
Metal Chassis + Aluminium Front Bezel	
Dimensions (W x H x D)	
410 x 315 x 82.46 mm / 16.14" x 12.40" x 3.25" (KPC-15B0) 442 x 354 x 93.44 mm / 17.40" x 13.94" x 3.68" (KPC-17B0)	
Weight	
6.8 kg / 14.99 lb (KPC-15B0) TBD (KPC-17B0)	
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)	

KPC-15B0 / 17B0 I/Os



Ordering Information

Article	Part No.	Description
KPC-15B0	SKPC15B000010T00	15" 5-wire resistive, FCPGA946 Socket Intel® Haswell CPU, 1x HDMI, 1x DVI-D, 1x VGA, 2x LAN, 4x USB3.0, 2x RS-232/422/485, 2x RS-232, 1x DIO, 2x mPCIe
KPC-17B0	SKPC17B000010T00	17" 5-wire resistive, FCPGA946 Socket Intel® Haswell CPU, 1x HDMI, 1x DVI-D, 1x VGA, 2x LAN, 4x USB3.0, 2x RS-232/422/485, 2x RS-232, 1x DIO, 2x mPCIe

Optional Accessories

Product Name	Part No.	Description
VESA Mounting Kit	0ZMMWALL-MNTA100	Hole pattern: 100 x 100 mm & 75 x 75 mm, dimension: 163 x 130 mm