

KPC-15B0/17B0 Series

15" / 17" Industrial Panel PC
with Intel® Haswell Processor
and HM87 / QM87 Express Chipset



- 4th Generation Intel® Haswell Core™ / Celeron® Processor
- 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, 1x mSATA (mixed w/ mPCIe, optional)
- 4x USB 3.0, 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 and one mSATA 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		
4th Generation Intel® Haswell Core™ / Celeron® Processor		
Chipset		
Intel® HM87 / QM87 Express Chipset		
Memory		
2 x DDR3L SO-DIMM Socket up to 16GB		
BIOS		
AMI uEFI BIOS w/ 1x 128Mb SPI Flash ROM		
Graphics		
Intel® HD Graphics (4600)		
LCD Display	KPC-15B0	KPC-17B0
Display Size	15 inch, 4:3	17 inch, 5:4
Resolution	1024 x 768	1280 x 1024
Backlight	LED	LED
Contrast Ratio	600:1 (typical)	1000:1 (typical)
Brightness	350 cd/m ² (typical)	350 cd/m ² (typical)
Viewing Angle (H/V)	90° / 65° (typical)	170° / 160° (typical)
Touch Sensor		
5-wire resistive touch sensor		
External Display		
1 x HDMI		
1 x DVI-D		
1 x VGA		
LAN		
2 x GbE RJ-45 (1x Intel® I217-LM & 1x Intel® I210-AT)		
Audio		
Realtek ALC662 Audio Codec w/ 3W Audio Amplifier		
1 x Line-Out and 1 x Mic-In on rear		
Storage		
1 x 2.5" SATA HDD or SSD space		
1 x mSATA (mixed w/ mPCIe, optional)		

USB	
4 x USB 3.0	
COM	
4 x COM (COM1 & COM2 with RS-232/422/485 supported)	
DIO	
1 x 8-bits programmable DIO (4-DI/4-DO)	
Expansion Slot	
2 x mPCIe socket	
1 x Wafer for SIM card	
Hardware Monitor	
Operating voltage, CPU temperature	
Watchdog Timer	
Programmable WDT to generate System reset event	
Power	
DC 12V input	
OS Support	
Windows 7, Windows 8, Linux	
Dimension (W x H x D)	
KPC-15B0	410 x 315 x 82.46 mm / 16.14" x 12.40" x 3.25"
KPC-17B0	442 x 354 x 93.44 mm / 17.40" x 13.94" x 3.68"
Environment	
Operation Temperature: 0°C ~ 60°C (SSD), 0°C ~ 50°C (2.5" HDD)	
Storage Temperature: 0°C ~ 70°C	
Humidity: 0% ~ 95%	
Mounting	
VESA Mount, Panel Mount	
Certification	
CE, FCC Class A	

KPC-15B0 / 17B0 I/Os

