COM-SKHB6

Preliminary

COM Express Basic Type 6 with 6th Gen. Intel® Core™ i7/i5/i3 Processor



Features

- 6th Gen. Intel® Core™ i7/i5/i3-6xxx Series Processor
- SODIMM Socket x 2, up to DDR4 2133 up to 32 GB, ECC Support (Optional)
- Gigabit Ethernet x 1
- 18/24-bit Single Channel LVDS LCDs/eDP, DDI x 1
- High Definition Audio Interface
- SATA x 4
- USB 2.0 x 8, USB 3.0 x 4, PCI-Express [x1] x 8, PCI-Express [x16] x 1
- GPIO x 8, SMbus, I2C, LPC
- COM Express Basic Size, Type 6, 125mm x 95mm

Specifications

System	
Form Factor	COM Express Basic size 125mm x 95mm
Processor	6th Gen. Intel® Core™ i7/i5/i3 Processor
System Memory	SODIMM DDR4 x 2 up to 32GB, ECC support
Chipset	—
I/O Chipset	QM170
Ethernet	Intel® Jacksonville GbE
BIOS	AMI BIOS, Legacy free BIOS
Wake on LAN	Yes
Watchdog Timer	ITE IT8528VG
H/W Status Monitoring	Support CPU temperature monitoring
Expansion Interface	PCIe [x1] x 8, PCIe[x16] x 1, I2C, LPC, SMBus, GPIO
Power Requirement	Normal: +12V
Power Consumption	CPU 25W-45W
Board Size	4.92" x 3.75" (125mm x 95mm)
Gross Weight	—
Operation Temperature	32°F~ 140°F (0°C ~ 60°C)
Storage Temperature	-4°F ~ 158°F (-20°C ~ 70°C)
Operation Humidity	10% ~ 90% relative humidity, non-condensing
MTBF	—
Display	
Chipset	QM170
Graphic Engine	Supports CRT/LCD Simultaneous/Dual view DDI x 2
Resolution	Up to 2560 x 1600 for HDMI Up to 1920 x 1200 for LCD Supports 18-bit and 24-bit Single channel up to WUXGA 1920x1200
LVDS Interface	Supports 18-bit and 24-bit Single channel up to WUXGA 1920x1200
I/O	
Storage	SATA x 4
USB	USB3.0 x 4, USB2.0 x 8
Audio	HD Audio x 1
GPIO	8-bit, 1.8V
Serial Port	2-wire UART x 2 (Tx/Rx)

Optional Accessories

- **ECB-920A-A10**
  COM Express Type 1/6/10 Carrier Board, Gigabit Ethernet, USB, 2 COM, 4 SATA, PCIe, AT/ATX, Legacy Free, Rev. A1.0

Block Diagram

