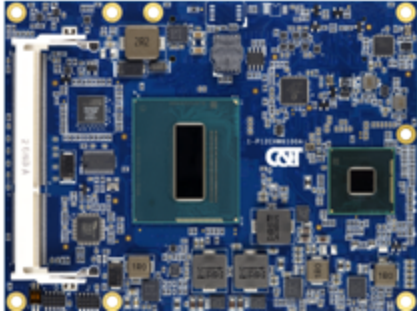


CT-CHA6X

Intel® 4th Generation Core™ i7/i5/i3 COM Express™ Type 6 Module



COM Express®



System

CPU	Intel 4th Generation Core i7, i5, i3, BGA type CPU onboard, up to 47W
System Chipset	Intel QM87 PCH
System Memory	2 x 204-pin DDR3 SODIMM sockets Data transfer rates 1333MT/s and 1600MT/s ECC supported Supports up to 16GB
BIOS	AMI uEFI 8MB SPI flash
Graphics	Intel HD Graphics 4600
Ethernet	1 x Intel I217LM GbE PHY
Audio	QM87 integrated HD audio codec interface
Watchdog Timer	H/W Reset, 1sec. – 65535sec./min. 1sec. or 1min. step
H/W Monitor	H/W monitor be supported on super I/O Voltages monitoring for CPU Vcore , VDDR and 3.3V
iAMT	iAMT9.0 supported
TPM	TPM1.2 supported

Mechanical & Environmental

Power Management	ACPI4.0a
Power	+12V, Standby 5VB input AT/ATX supported
Temperature	-20°C ~ 70°C
Operating Humidity	10% ~ 90% relative humidity, non-condensing
Dimension	125mm x 95mm

Optional Accessory

3-FSK-CHW6X	Fan sink for CT-CHW6X Dimension: 125mm x 95mm x 35mm
3-HSP-CHW6X	Heatspreader for CT-CHW6X Dimension: 125mm x 95mm x 11mm
CT-BT601	C&T COM Express Type 6 Carrier Board

I/O

COM Express Type 6 connector ROW A & B	1 x 2-ch 24-bit LVDS 1 x VGA 4 x SATA III 8 x USB2.0 ports 1 x HD audio interface 1 x LPC interface 1 x GbE 6 x PCIe1 ports 2 x UART ports 1 x SMBus 1 x SPI 1 x 8-bit DIO(4-bit input and 4-bit output) 2 x Fan control signals 1 x Reset signal 1 x Power-on button signal 1 x Watchdog Timer
COM Express Type 6 connector ROW C & D	1 x PCIe16 3 x DDI ports 4 x USB3.0 ports 1 x PCIe1

Ordering Information

CT-CHA61	COM Express, Basic size, Type 6, w/ Intel 4th Gen i7-4700EQ(2.4GHz/47W)/ QM87, 2xDDR3, LVDS, PCIe16, GbE, 4xUSB3.0, 4xSATA, iAMT9.0
CT-CHA62	COM Express, Basic size, Type 6, w/ Intel 4th Gen i5-4400E(2.7GHz/37W)/ QM87, 2xDDR3, LVDS, PCIe16, GbE, 4xUSB3.0, 4xSATA, iAMT9.0
CT-CHA63	COM Express, Basic size, Type 6, w/ Intel 4th Gen i3-4100E(2.4GHz/37W)/ QM87, 2xDDR3, LVDS, PCIe16, GbE, 4xUSB3.0, 4xSATA
CT-CHA64	COM Express, Basic size, Type 6, w/ Intel 4th Gen i5-4422E(1.8GHz/25W)/ QM87, 2xDDR3, LVDS, PCIe16, GbE, 4xUSB3.0, 4xSATA, iAMT9.0
CT-CHA65	COM Express, Basic size, Type 6, w/ Intel 4th Gen i3-4112E(1.8GHz/25W)/ QM87, 2xDDR3, LVDS, PCIe16, GbE, 4xUSB3.0, 4xSATA

Board Level
COM Express
3.5" SBC
Board Level
Industrial M/B
Robust System
Intelligent System