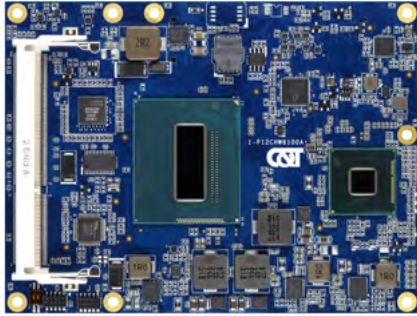


# CT-CHW6X

Intel® 4<sup>th</sup> 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 1333MT/s and 1600MT/s supported Up to 16GB
BIOS	AMI uEFI BIOS, 8MB SPI flash ROM
Graphics	Intel HD Graphics 4600
Ethernet	1 x Intel I217LM GbE PHY
Audio	Intel HD audio codec interface
Watchdog Timer	H/W Reset, 1sec – 65535sec/min 1sec or 1min step
H/W Monitor	Voltages/Temperatures monitoring Fan speed detection Smart fan supported
iAMT	iAMT9.0
TPM	TPM1.2 supported

## Mechanical & Environmental

Power Management	ACPI 4.0a
Power	+12V, 5VSB 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 ports 8 x USB2.0 ports 1 x HD audio interface 1 x LPC interface 1 x GbE 6 x PCIe1 ports 1 x SMBus 1 x SPI 1 x I2C 1 x 8-bit DIO
COM Express Type 6 connector ROW C & D	1 x PCIe16 1 x PCIe1 3 x DDI ports 4 x USB3.0 ports

## Ordering Information

CT-CHW61	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-CHW62	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-CHW63	COM Express, Basic size, Type 6, w/ Intel 4th Gen i3-4100E(2.4GHz/37W)/ QM87, 2xDDR3, LVDS, PCIe16, GbE, 4xUSB3.0, 4xSATA
CT-CHW64	COM Express, Basic size, Type 6, w/ Intel 4th Gen i5-4402E(1.64GHz/25W)/ QM87, 2xDDR3, LVDS, PCIe16, GbE, 4xUSB3.0, 4xSATA, iAMT9.0
CT-CHW65	COM Express, Basic size, Type 6, w/ Intel 4th Gen i3-4102E(1.6GHz/25W)/ QM87, 2xDDR3, LVDS, PCIe16, GbE, 4xUSB3.0, 4xSATA

Board Level  
COM Express

Board Level  
3.5" SBC

Board Level  
Industrial M/B

Robust System

Intelligent System