

CEM511 NEW

COM Express Type 6 Module with 7th Gen Intel® Core™ i7/i5/i3 Processor

Features

- 7th gen Intel® Core™ i7/i5/i3 processor (Kabylake-U)
- 2 DDR4-2133 SO-DIMM, up to 32GB
- Max. up to 6 lanes of PCI Express
- 3 SATA-600
- 4 USB 3.0 and 8 USB 2.0
- AXView 2.0 intelligent remote management software

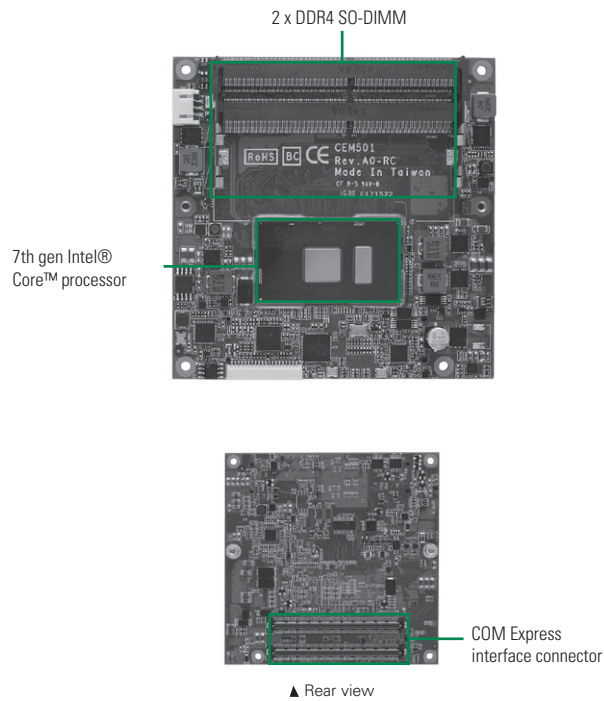


Core System

CPU	7th generation Intel® Core™ processor: i7-7600U, i5-7300U, i3-7100U (Kabylake-U) onboard
System Memory	2 x 260-pin DDR4-2133 SO-DIMM, up to 32GB
Chipset	SoC integrated
BIOS	AMI uEFI
SSD	N/A
Watchdog Timer	65536 levels, 0~65535 sec.
Expansion Interface	6 lanes of PCI Express Gen. 3.0
Battery Lithium	N/A
Power Input	ATX: +12V, +5VSB AT: +12V
Size	95 x 95 mm
Board Thickness	2.0 mm
Temperature	-40°C ~ +85°C (-40°F ~ +185°F), operation
Operation Humidity	10% ~ 95% relative humidity, non-condensing
Vibration	3.5 Grms

I/O

MIO	1 x LPC interface 1 x SPI interface 2 x Serial TX/RX 1 x I²C interface
SATA	3 x SATA-600
Hardware Monitoring	Yes
Ethernet	1 port as 10/100/1000 Mbps supports Wake-on-LAN, PXE Boot ROM with Intel® i219LM
Audio	HD link interface to baseboard for Codec
USB	4 x USB 3.0 and 8 x USB 2.0
TPM	Yes
SMBus	Yes
Digital I/O	4 channels IN & 4 channels OUT (SDIO optional)
Smart Battery	Yes



Display

Chipset	Intel® Gen 9 Graphics Engine support Gfx - DX12.0, OCL2.0, OGL4.3
Display Interface	2 x DDI (DP/HDMI/DVI). The 2nd DDI could be configured to VGA (optional) 1 x LVDS; 18/24-bit dual channel (eDP optional)

Packing List

Quick installation guide

Ordering Information

Standard	
CEM511PG-i7-7600U	COM Express Type 6 module with Intel® Core™ i7-7600U, DDI/LVDS, GbE LAN, USB 3.0 and TPM
CEM511PG-i5-7300U	COM Express Type 6 module with Intel® Core™ i5-7300U, DDI/LVDS, GbE LAN, USB 3.0 and TPM
CEM511PG-i3-7100U	COM Express Type 6 module with Intel® Core™ i3-7100U, DDI/LVDS, GbE LAN, USB 3.0 and TPM
Optional	
CEB94006 (P/N: E394006100)	ATX form factor Type 6 evaluation board
TS007-CEM501 (P/N: E39J007100)	CEM501 Heatsink w/fan
5078D501200E	CEM501 Heatspreader