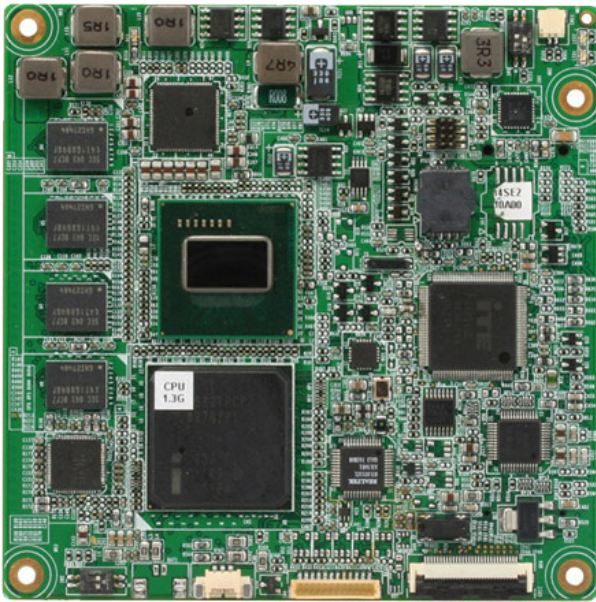


CoM-TC



Onboard Intel Atom E680 Processor

Intel EG20T IOH

DDR2 667/800 Memory, Max. 2GB

Gigabit Ethernet

Up to 24-bit LVDS LCD, SDVO

High Definition Audio Interface

SATA 3.0Gb/s x 2 (1), SATA SSD x 1 (Optional), PATA x 1

USB2.0 x 7 (USB Host x 6, USB Device x 1)

PCI-Express [x1] x 2

Compact Module Size, Pin-out Type 2, 95mm x 95mm, COM.0 Rev. 2.0

The CoM-TC comes equipped with the Intel® EG20T I/O controller hub and a Realtek RTL8211CL Gigabit Ethernet to meet communications and networking requirements. CoM-TC has onboard system memory, eliminating the need to add a memory module, providing a more cost effective and rugged solution. For storage options, CoM-TC offers two SATA 3.0 Gb/s ports, one PATA, and an optional onboard SSD. The onboard SSD furthers the simplification, cost reduction, and ruggedness of the system design by eliminating the need to add storage media to the system. Moreover, seven USB2.0 ports are supported to allow flexibility in the use of external devices and peripherals. In addition, there is a 4-bit SDIO as well as two PCI-Express [x1], one LPC Bus, and one SMBus interface for I/O and expansion on the carrier board. The integrated graphics controller supports LVDS/SDVO independent display and includes 2D and 3D acceleration in addition to video MPEG4, H.264, and H.263 decode and encode.

Specifications

SOM Type:

COM Express Modules

Processor

Intel® Atom™ E680 processor

Clock Speed:

1.6 GHz

Real Time Clock:

Memory

BIOS/Bootloader:

AMI BIOS SPI type, 2MB ROM

Memory Misc.:

System Memory: Onboard DDR2 667/800 memory chip, Max. 2GB

System Chipset: Intel® EG20T IOH

Primary I/O

Up to 4 in or 4 out

Disk Interface:

SATA 3.0Gb/s x 2 (1)

PATA x 1

Video Out:

LVDS/SDVO independent display and Hi-Definition Video 2D/3D Encoder/ Decoder

Audio:

High definition audio interface

Ethernet:

10/100/1000Base-TX

USB:

USB 2.0 x 7 (USB Host x 6

USB Client x 1)

Watchdog:

Primary I/O Misc.:

Enhanced IDE Interface: SATA SSD onboard (Master device), Max. 4 GB (Optional)

SATA: SATA 3.0Gb/s x 2 (1)

PATA: PATA x 1

Secondary I/O

Keypad:

PS/2:

Analog on

D/A:

Dimensions

3.74 × 3.74 in

Form Factor:

COM Express compact

Power Requirements

Voltage:
12 V
Typical Current:
0.97 A
Typical Voltage:
12 V
Power Misc.:
Power Requirements: Power Consumption (Typical), Intel Atom E680 1.6GHz, DDR2 1GB, 0.97A@+12V

Environmental
Low Operating Temperature:
0 C
High Operating Temperature:
60 C
Upper Operating Humidity:
90%

Pricing
CoM-TC-A10-03
ATOM E680 1.6GHz 1GB DDR2 ONBOARD/LVDS/SDVO/GLAn
\$382.00
Parent Product:
CoM-TC
Base Product:
CoM-TC
CoM-TCW2-A10-03
ATOM E680 1.6GHz 1GB DDR2 ONBOARD/LVDS/SDVO/GLAn (wide temp)
\$0.00
Base Product:
CoM-TC
Non-Stock NCNR:
0
Carrier Boards:
SoM-DB5700-0
COM express development carrier board
\$315.00
Base Product:
SoM-DB5700

Source URL: <https://www.emacinc.com/content/com-tc>