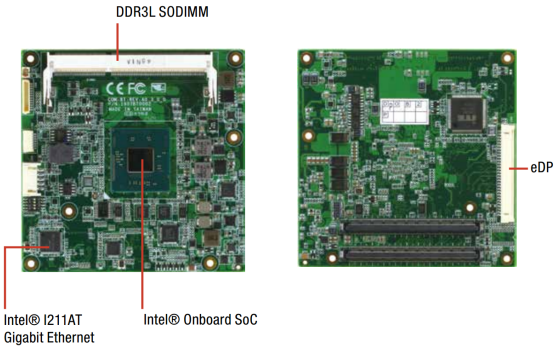
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COM-BT



Onboard Intel® Celeron® J1900, N2930, N2807 or Atom™ E3800 Series

Up to 8GB DDR3L 1066/1333 MHz SODIMM(4GB max for E3815/E3825/N2807)

Intel® Gigabit Ethernet

CRT, Up to 24-bit Dual-channel LVDS LCD, DP/HDMI

High Definition Audio Interface

SATA 3.0Gb/s x 2,

USB2.0 x6, USB3.0 x1(combine USB2.0 x1)

PCI-Express [x1] x 3

COM Express Compact Module, Pin-out Type 6, COM.0 Rev. 2.1

System

Form Factor COM Express Compact module, Pin-out

Type 6, COM. 0 Rev. 2.1

Processor Onboard Intel® Celeron® J1900 (2.0GHz), N2930 (1.83GHz), N2807(1.58GHz);

Intel® Atom™ Processor E3800 series: Quad core: E3845 (1.91 GHz), Dual core: E3827 (1.75 GHz), Single core: E3815 (1.46 GHz)

System Memory DDR3L 1066/ 1333 MHz SODIMM,

Max. 8GB (Max. 4GB for E3815/E3825/N2807)

Chipset Intel® Celeron® J1900, N2930, N2807 and Atom™ E3800 Series

I/O Chipset Intel® Celeron® J1900, N2930, N2807 and Atom™ E3800 Series

Ethernet: Intel® I211, Gigabit Ethernet

TPM v1.2 (Optional)

BIOS AMI BIOS

SPI type, 8MB ROM

Wake On LAN Yes

Watchdog Timer ITE IT8528, 255 levels

H/W Status Monitoring Supports CPU Temperature Monitoring

Expansion Interface PCI-Express [x1] x 4 (one shared with Gigabit LAN)

Power Requirement Nominal: +12V

Board Size 3.74" (L) x 3.74"(W) (95mm x 95mm)

Gross Weight 0.55 lb (0.25kg)

Operating Temperature 32°F ~ 140°F (0°C ~ 60°C)

Storage Temperature -40°F ~ 176°F (-40°C ~ 80°C)

Operating Humidity 0% ~ 90% relative humidity,

non-condensing

MTBF 81,000 hours

OS Support Windows® 7, Windows® 8, Linux Fedora

Display:

Supports CRT/LVDS simultaneous/ dual view displays

Chipset Intel® Celeron® J1900, N2930, N2807 and Atom™ E3800 Series Memory Shared system memory up to 512MB/ DVMT 5.0

Resolution Up to 2560 x 1600 for HDMI, DisplayPort, VGA

LCD Interface Up to18/24 bits dual-channel LVDS

I/O

2x Storage SATA 3.0Gb/s

2x Serial Port (Tx/ Rx only)

6x USB USB2.0, USB3.0(combine USB2.0 x1)

Audio High definition audio

GPIO Up to 4 in and 4 out

COM-BT CPU Board is a 6 COM Express module. It has an eDP interface allowing closed connection between the display device and the board ensuring that it is free from any external interference. COM-BT CPU Board is also capable of converting video signal through DDI0 and DDI1 going to DVI, DP, or HDMI gadgets or devices.

COM-BT adopts the latest Intel® Celeron® J1900, N2930, N2807 and Atom™ E3800 Series product family. The system memory deploys with one DDR3L 1066/1333 MHz SODIMM up to 8 GB (4GB max for E3815/E3825/N2807). In addition, Intel® I211 supports Gigabit Ethernet that allows faster network connections. This model applies
four PCI-Express?x1? (one shared with Gigabit LAN). Moreover, two SATA 3.0Gb/s are configured on the COM-BT. COM-BT also equips USB2.0 x6, USB3.0 x1 (combine USB2.0 x1) for flexible I/O expansions.

The display of COM-BT supports up to two independent displays simultaneously. This brand new COM Express Module is developed to cater to the requirements of Automation, Medical, ticket machine, transportation, gaming, KIOSK, and POS/POI applications.

Possible Applications:
Healthcare
Industrial Automation
Security
Retail & Advertising
Test & Measurement
Defense & Governmen

Specifications

SOM Type:
COM Express Modules

Processor

Processor:
Intel Atom E3800 Family Processor
Clock Speed:
2 GHz
Real Time Clock:
Processor Misc.:
Intel® Atom™ E3800 Product Family/Celeron® N2000 Series SoC Processor

N2930: Quad core 1.83 Ghz/ 7.5W

J1900: Quad Core 2.0 Ghz/ 10W

N2807: Dual Core 1.58 Ghz/ 5W

E3845: Quad Core 1.91 GHz/ 10W

E3825: Dual Core 1.33 GHz/ 8W

Memory

BIOS/ Bootloader:
AMI BIOS
Memory Misc.:
SODIMM DDR3L Memory module upto 8GB.

Primary I/O

GPIO:

8x GPIO

Disk Interface:

2x SATA II

Video Out:

CRT

LVDS LCD

DDI

eDP(on module

by switch)

Audio:

High definition audio interface

Ethernet:

Intel® 211 Gigabit Ethernet

USB:

1x USB 3.0 & 6x USB 2.0

Serial Ports:

2x COM (2-Wire)

Watchdog:

Secondary I/O

LPT Port:

Keypad:

PS/2:

Expansion

Bus Misc.:

3x PCI-Express[x1] (Gen 2.0)

LPC Bus

SMbus

Analog

A/D:

D/A:

Dimensions

Dimensions:

3.74 × 3.74 in

Form Factor:

COM Express compact

Dimensions Misc.:

Dimension (L x W) 3.74" x 3.74" (95mm x 95mm)

Environmental nents

Pricing

COM-BTA30-001-R

COM-BT-A30-0001, COMeCT6, N2930 4x1.83GHz, 2xSATA, 2xCOM, 1xUSB3, 7xUSB2, GbE, VGA, DP, LVDS

$291.00

Order:

0

Parent Product:

COM-BT

Base Product:

COM-BT

COM-BTA30-002-R

COM-BT-A30-0002, COMeCT6, N2807 2x1.58GHz, 2xSATA, 2xCOM, 1xUSB3, 7xUSB2, GbE, VGA, DP, LVDS
$261.00
Order:
0
Parent Product:
COM-BT
Base Product:
COM-BT
COM-BTA30-003-R
COM-BT-A30-0003, COMeCT6, E3845 4x1.91GHz, 2xSATA, 2xCOM, 1xUSB3, 7xUSB2, GbE, VGA, DP, LVDS
$309.00
Order:
0
Parent Product:
COM-BT
Base Product:
COM-BT
COM-BTA30-006-R
COM-BT-A30-0006, COMeCT6, E3825 2x1.33GHz, 2xSATA, 2xCOM, 1xUSB3, 7xUSB2, GbE, VGA, DP, LVDS
$271.00
Order:
0
Parent Product:
COM-BT
Base Product:
COM-BT
COM-BTA30-008-R
COM-BT-A30-0008, COMeCT6, J1900 4x2GHz, 2xSATA, 2xCOM, 1xUSB3, 7xUSB2, GbE, VGA, DP, LVDS
$384.00
Order:
0
Parent Product:
COM-BT
Base Product:
COM-BT
Non-Stock NCNR:
0

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