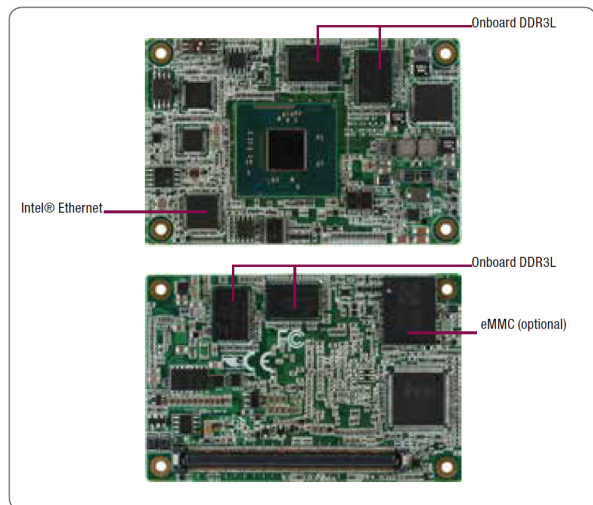


COM-UCEBT



Intel® Atom™ E3800 Product Family/Celeron® N2000 Series SoC Processor

COM Express Pin-out Type 10

Onboard DDR3L 2 GB Memory

Gigabit Ethernet

18/24-bit Single Channel LVDS LCDs & DDI

2x SATA, eMMC (Optional)

1x USB 2.0/USB 3.0 & 6 x USB2.0, GPIO 8-bit, PCI-Express [x1] x 3

Nano Module Size, 84mm x 55mm , COM.0 Rev 2.1

Optional operating temperature -40°C to 85°C

The COM-UCEBT is a cutting-edge product that provides high performance and low power consumption in the embedded market. Built on the PICO COM Express SOM module specification, incorporating the features of the Type 10 COM Express Module features.

COM-UCEBT adopts the latest Intel® Bay Trail Atom™ N2000/E3800 processor. The system memory deploys with onboard DDR3L 2 GB memory. In addition, Intel® I211/i210 supports 10/100/1000Base-TX that allows faster network connections. This model applies three PCI-Express?x1?, one LPC bus, and one SMBus. Moreover, two SATA 3.0Gb/s are configured on the COM-UCEBT. COM-UCEBT also equips six USB2.0 and one USB2.0/3.0 bus for flexible I/O expansions.

The display of COM-UCEBT supports CRT/LCD simultaneous/ dual view display. 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.

Providing features for Applications such as:

Automation

Medical
Ticket Machine
Transportation
Gaming
KIOSK
POS/POI
Specifications
SOM Type:
COM Express Modules
Processor
Processor:
Intel® Atom™ E3800 Product Family/Celeron® N2000 Series SoC Processor
Clock Speed:
1.91 GHz
Real Time Clock:
Processor Misc.:
Intel® Atom™ E3800 Product Family/Celeron® N2000 Series SoC Processor
N2930: Quad Core 1.83 GHz/ 7.5W
N2807: Dual Core 1.58 GHz/ 4.5W
E3845: Quad Core 1.91 GHz/ 10W
E3827: Dual Core 1.73 GHz/ 8W
E3826: Dual Core 1.46 GHz/ 7W
E3825: Dual Core 1.33 GHz/ 6W
E3815: Single Core 1.46 GHz/ 5W
Memory
BIOS/ Bootloader:
AMI BIOS
Primary Flash:
up to 16GB eMMC Flash onboard
Secondary Flash:
2 x SATA
Primary I/O
GPIO:
4 in & 4 out
Disk Interface:
SATA
Video Out:
DDI

LVDS

DP

SPI:

SPI bus

Audio:

High Definition Audio

Ethernet:

Intel GbE Ethernet i210/i211

USB:

1 x USB 3.0

6 x USB 2.0

Serial Ports:

2 x 2 wire UARTs

Watchdog:

Secondary I/O

Keypad:

PS/2:

Secondary I/O Misc.:

SMBus

LPC

3x PCIe x1

Analog on

D/A:

Dimensions

3.31 × 2.17 × 1.69 in

Weight:

0.44 lb

Form Factor:

COM EXPRESS Mini

Dimensions Misc.:

3.31" x 2.17" x 1.69 (84mm x 55mm x 43 mm) (height is connector + heat spreader and standard heat sink, does not include required clearance for airflow to fan)

Power Requirements

12 V

Typical Current:

0.7 A

Power Misc.:

Standard : +7V ~ 20V AT/ATX, Optional: +5V, AT/ATX

Intel® Atom™ E3845 1.91 GHz, DDR3 2 GB, full load 0.7A@12V, 8.4W

Environmental

Low Operating Temperature:

0 C

60 C

90%

2 °F ~ 140 °F (0 °C ~ 60 °C) -40 °F ~ 185 °F (-40 °C ~ 85 °C) by E3800 family 0% ~ 90% relative humidity, non-condensing

Pricing

NANOCOM-BT-A10-0001, UCOMeT10, N2930 4x1.83GHz, 2GB DDR3, 2xSATA, 2xCOM, USB3, 6xUSB2, GbE, DP, LVDS

\$250.00

Order:

0
Parent Product:

COM-UCBT

Base Product:

COM-UCEBT

COM-UCEBT-002-R

NANOCOM-BT-A10-0002, UCOMeT10, N2807 2x1.58GHz, 2GB DDR3, 2xSATA, 2xCOM, USB3, 6xUSB2, GbE, DP, LVDS

\$227.00

Order:

0
Parent Product:

COM-UCEBT

Base Product:

COM-UCEBT

COM-UCEBT-003-R

NANOCOM-BT-A10-0003, UCOMeT10, E3845 4x1.91GHz, 2GB DDR3, 16GB eMMC, 2xSATA, 2xCOM, USB3, 6xUSB2, GbE, DP, LVDS

\$308.00

Order:

0
Parent Product:

COM-UCEBT

Base Product:

COM-UCEBT

COM-UCEBT-043-R

NANOCOM-BT4-A10-0003, UCOMeT10, E3845 4x1.91GHz, 4GB DDR3, 16GB eMMC, 2xSATA, 2xCOM, USB3, 6xUSB2, GbE, DP, LVDS

\$365.00

Order:

0
Parent Product:

COM-UCEBT

Base Product:

COM-UCEBT

COM-UCEBT-046-R

NANOCOM-BT4-A10-0006, UCOMeT10, E3825 4x1.33GHz, 4GB DDR3, 8GB eMMC, 2xSATA, 2xCOM, USB3, 6xUSB2, GbE, DP, LVDS

\$315.00

Order:

0
Parent Product:

COM-UCEBT
Base Product:
COM-UCEBT
COM-UCEBT-004-R
NANOCOM-BT-A10-0004, UCOMeT10, E3827 2x1.75 GHz, 2GB DDR3, 2xSATA, 2xCOM, USB3, 6xUSB2, GbE, DP, LVDS
\$260.00
Order:
0
Parent Product:
COM-UCEBT
Base Product:
COM-UCEBT
COM-UCEBT-005-R
NANOCOM-BT-A10-0005, UCOMeT10, E3826 2x1.46 GHz, 2GB DDR3, 2xSATA, 2xCOM, USB3, 6xUSB2, GbE, DP, LVDS
\$250.00
Order:
0
Parent Product:
COM-UCEBT
Base Product:
COM-UCEBT
COM-UCEBT-006-R
NANOCOM-BT-A10-0006, uCOMeT10, E3825 2x1.33GHz, 2GB DDR3, 8GB eMMC, 2xSATA, 2xCOM, USB3, 6xUSB2, GbE, DP, LVDS
\$260.00
Order:
0
Parent Product:
COM-UCEBT
Base Product:
COM-UCEBT
COM-UCEBT-007-R
NANOCOM-BT-A10-0007, UCOMeT10, E3815 1.46 GHz, 2GB DDR3, 2xSATA, 2xCOM, USB3, 6xUSB2, GbE, DP, LVDS
\$225.00
Order:
0
Parent Product:
COM-UCEBT
Base Product:
COM-UCEBT
COM-UCEBT-W03-R
NANOCOM-BTW2-A10-0003, UCOMeT10, E3845 4x1.91GHz, 2GB DDR3, 16GB eMMC, 2xSATA, 2xCOM, USB3, 6xUSB2, GbE, DP, LVDS (-40°C to 85°C)
\$331.00
Order:
0
Parent Product:
COM-UCEBT
Base Product:
COM-UCEBT
COM-UCEBT-W06-R
NANOCOM-BTW2-A10-0006, UCOMeT10, E3825 2x1.33GHz, 2GB DDR3, 8GB eMMC, 2xSATA, 2xCOM, USB3, 6xUSB2, GbE, DP, LVDS (-40°C to 85°C)

\$306.00

Order:

0

Parent Product:

COM-UCEBT

Base Product:

COM-UCEBT

Non-Stock NCNR:

0

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