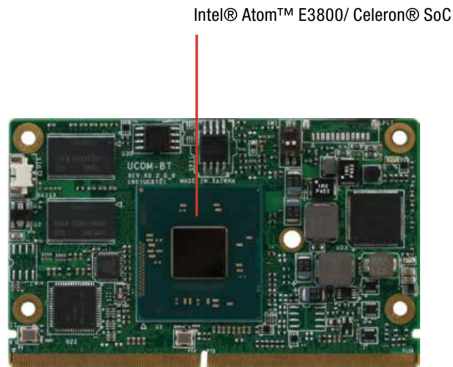


Source URL: <http://emacinc.com/content/com-bta10-0>

UCOM-BT



- Intel® Atom™ E3800 and N2807 Product Family Processor SoC
- Onboard DDR3L up to 4 GB Memory
- Gigabit Ethernet x 1
- 18/24-bit Single Channel LVDS, HDMI
- High Definition Audio Interface
- SATA x 2
- USB2.0 x 2, GPIO up to 12-bit, USB3.0 x 1
- PCI-Express [x1] x 3
- SMARC Spec v1.1, 82mm x 50mm

System

- Form Factor SMARC, 82 x 50 mm
- Processor Intel® Atom™ E3800 Series or Celeron® N2807 Processor SoC
- System Memory Onboard DDR3L 2 GB (optional 4 GB)
- Chipset Intel® Atom™ SoC
- I/O Chipset Intel® Atom™ SoC
- Ethernet Intel® I211AT, I210IT
- BIOS AMI BIOS, Legacy free BIOS
- Wake On LAN Yes
- Watchdog Timer ITE IT8528VG
- H/W Status Monitoring Supports CPU temperature monitoring
- Expansion Interface PCIe x 3 I2C x 2, SMBus x 1 SPI x 1
- UART x 1 for TX/RX/RTS#/CTS#
- UART x 1 for TX/RX only
- Power Requirement Standard: DC 3.3 ~ 5V
- Board Size (L x W) 82 x 50mm (3.23 x 1.97")
- Gross Weight 0.2 kg (0.44 lb)
- Operating Temperature Standard: 0 ~ 60°C (32 ~ 140°F)
- Storage SATA 3.0 GB/s x 2

- USB 3.0 x 1, USB 2.0 x 2
- Serial Port UART x 2 (one 4-wire TX/RX/RTS#/CTS#, one 2-wire TX/RX)
- Audio High Definition Audio x 1
- GPIO 12 bit, 1.8V (1 share with HDA)

Featuring the SMARC (Smart Mobility Architecture) form factor, the small size of the COM-BT, which measures 82 x 50mm, is most ideal for applications that demands compactness and mobility. The board's exhaustive functionalities, such as wireless connectivity, expandable I/Os, HD audio, and FHD displays, further facilitate such applications.

Specifications

SOM Type:

Microcontroller SODIMM Modules

Processor

Processor:

Intel® Atom™ E3800 Processor SoC

Clock Speed:

1.91 GHz

Real Time Clock:

Processor Misc.:

Intel® Atom™ E3800 Product Family SoC Processor

- 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

Primary Flash:

up to 16GB onboard eMMC Flash

Primary I/O

GPIO:

9x GPIO

Disk Interface:

2x SATA II

Video Out:

LVDS

eDB

HDMI

Audio:

Intel HD Audio

Ethernet:

Intel® i211AT Gigabit Ethernet

USB:

1x USB 3.0 & 2x USB 2.0

Serial Ports:

2x COM (2-Wire)

Watchdog:

Secondary I/O

LPT Port:

Keypad:

PS/2:

Analog on

A/D:

D/A:

Dimensions

Dimensions:

3.23 × 1.96 in

Form Factor:

314-pin SODIMM

Dimensions Misc.:

Dimension 3.23" x 1.96" (82 x 50 mm)

Power Requirements

Voltage:

12 V

Constant Busy Loop Current:

700 mA

Typical Current:

500 mA

Max Boot Current:

900 mA

Environmental

Low Operating Temperature:

0 C

High Operating Temperature:

60 C

Upper Operating Humidity:

90%

Environmental Misc.:

Standard Operating Temperature: 32 °F ~ 140 °F (0 °C ~ 60 °C) Optional Operating Temperature range: -40 °F ~ 185 °F (-40 °C ~ 80 °C)

Pricing

COM-BTA10-S01-R

UCOM-BT-A10-0001, SMARC, N2807 2x 1.58 GHz, 2GB, 2xSATA, 2xCOM, 1xUSB3, 2xUSB2, 1xGbE, HDMI

\$232.00

Order:

0

Parent Product:

UCOM-BT

Base Product:

UCOM-BT

COM-BTA10-S02-R

UCOM-BT-A10-0002, SMARC, E3825 2x 1.33 GHz, 2GB, 8GB eMMC, 2xSATA, 2xCOM, 1xUSB3, 2xUSB2, 1xGbE, HDMI

\$280.00

Order:

0

Parent Product:

UCOM-BT

Base Product:

UCOM-BT

COM-BTA10-S03-R

UCOM-BT-A10-0003, SMARC, E3845 4x1.91GHz, 4GB, 16GB eMMC, 2xSATA, 2xCOM, 1xUSB3, 2xUSB2, 1xGbE, HDMI

\$340.00

Order:

0

Parent Product:

UCOM-BT

Base Product:

UCOM-BT

Non-Stock NCNR:

0

Source URL: <http://emacinc.com/content/com-bta10-0>