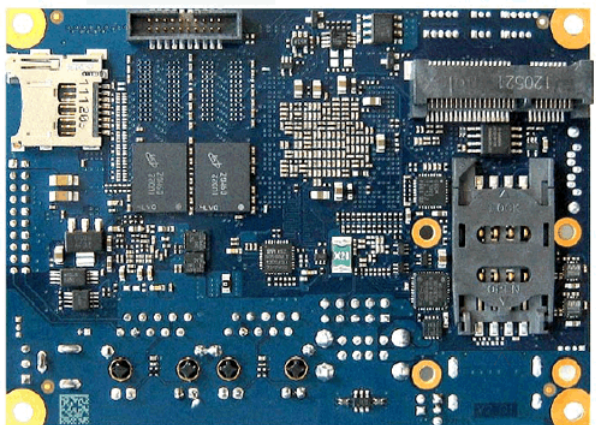
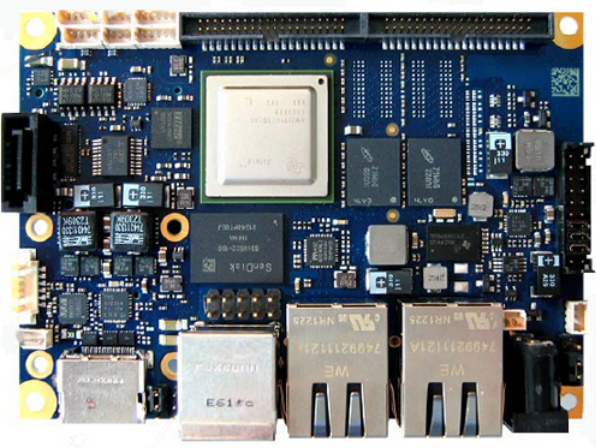


SBC-0300



ARM® Cortex™-A8 TI® AM3874 Sitara™ Up to 800 MHz

Up to 2GB Dual 32-bit DDR3-800 On-board

2x RS232, 1x RS232/485 Serial Ports

5x USB 2.0 Ports

2x Dual 10/100/1000 Mb/s with optional switch (only 10/100 Mb/s)

LVDS/HDMI

LVDS dual channel 18/24-bit (Max. 1920x1080 pixel)

HDMI® 1.3a compliant transmitter up to 162 MHz (max. 1920x1080 pixel)

1x SATA 2.0 / 1x mSATA shared with mPCIe

mPCIe slot with SIM card support & micro SD slot

2x CAN Bus

26x GPIOs

SPI, I2C

Pico-ITX, P-ITX or 2.5" SBC form factor

Analog Interface (Line-In, line-out, Mic-In), 1 W Speaker interface

Power Requirement: 5V DC

Operating Temperature: -40°C to +85°C (E2)

100 x 72 mm

Each SBC-0300 is a member of the 2.5" SBC family of KONTRON Technology A/S based on the Pico-ITXTM specification (only mechanical outer dimensions) from the Small Form Factor Special Interest Group (SFF-SIG). SBC-0300 embedded line modules are characterized by the same front-line pinouts and interfaces for reset logic and simple power supply, 2 x USB, LAN, Audio, GPIOs, DVI® or HDMI® and LVDS interface. These embedded line family features allow the user to use the same chassis over the whole product line and maximize design reuse. These homogeneous features facilitate easy upgrades within the SBC-0300 embedded line product family.

Specifications

SBC type:

486 Single Board Computers P-ITX

Processor

ARM® CortexTM-A8 TI® AM3874 SitaraTM Up to 800 MHz

Clock Speed:

800 MHz

Real Time Clock:

Primary I/O

GPIO:

26x GPIOs

SDIO:

SPI

I2C

Disk Interface:

1x SATA 2.0

1x mSATA shared with mPCIe

Video Out:

LVDS/HDMI

Audio:

Analog Interface (Line-In

line-out

Mic-In)

1 W Speaker interface

Ethernet:

2x Dual 10/100/1000 Mb/s with optional switch (only 10/100 Mb/s possible)

USB:

5x USB 2.0 Ports

Serial Ports:

2x RS232

1x RS232/485	
Watchdog:	
Secondary I/O	
CAN:	
2x CAN Bus	
LPT Port:	
Keypad:	
PS/2:	
Secondary I/O Misc.:	
Onboard SIM-card Slot for mPCIe Modem Cards	
Analog on	
A/D:	
D/A:	
Dimensions	
Dimensions:	
100 × 72 × 26 in	
Form Factor:	
Pico-ITX	
Power Requirements	
Voltage:	
5 V	
Environmental	
Low Operating Temperature:	
-40 C	
High Operating Temperature:	
85 C	
Upper Operating Humidity:	
90%	
Environmental Misc.:	
10% to 90% (non condensing)	
Pricing	
SLC-03005-090-R	
Pico-ITX, KTAM3874-IT, TI3874, 3xCOM, 5xUSB2, 2xLAN, 2xCAN, Audio, Dual LVDS (-40-85C)	
\$270.00	
Order:	
0	
Parent Product:	

Source URL: <https://www.emacinc.com/content/sbc-0300>