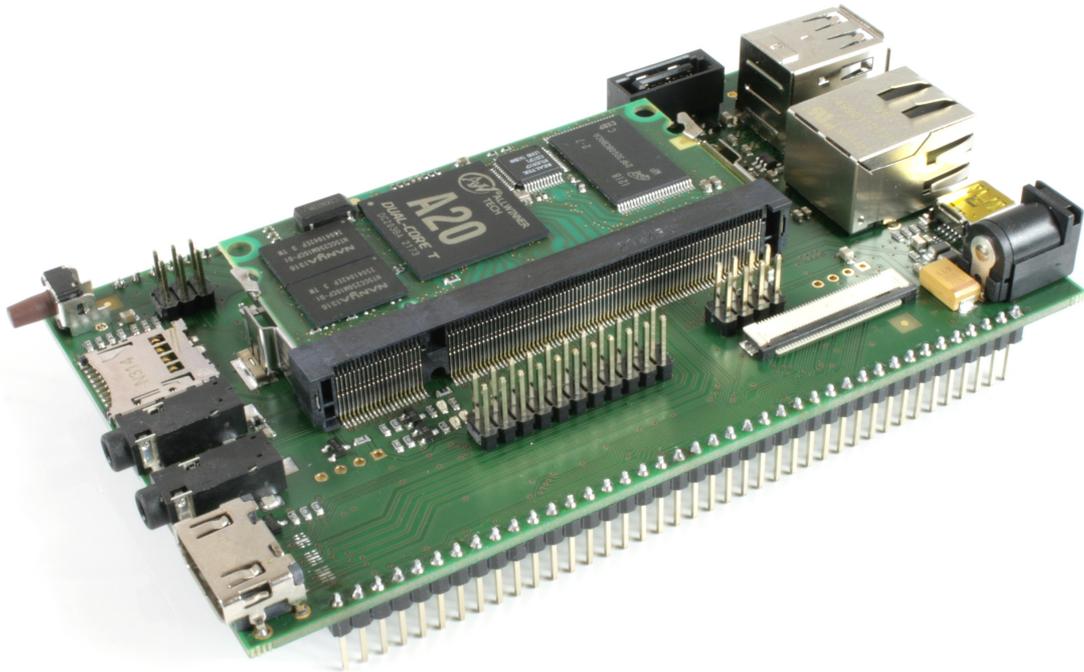


ADB4006 Evaluation Board

for ICnova A20 SODIMM modules



Features

Connectors:

- 1x SODIMM-200 (ICnova A20 Module)
- 1x RJ45 (Ethernet)
- 2x USB-A (Host)
- 1x SATA
- 1x HDMI
- 1x HIROSE (CSI)
- 5x PINHEADER (UART, DBGU)
- 2x PINHEADER (LVDS)
- 1x MICRO-SD
- 2x PIN-HEADER (GPIO)
- 1x HEBW21 (Power)

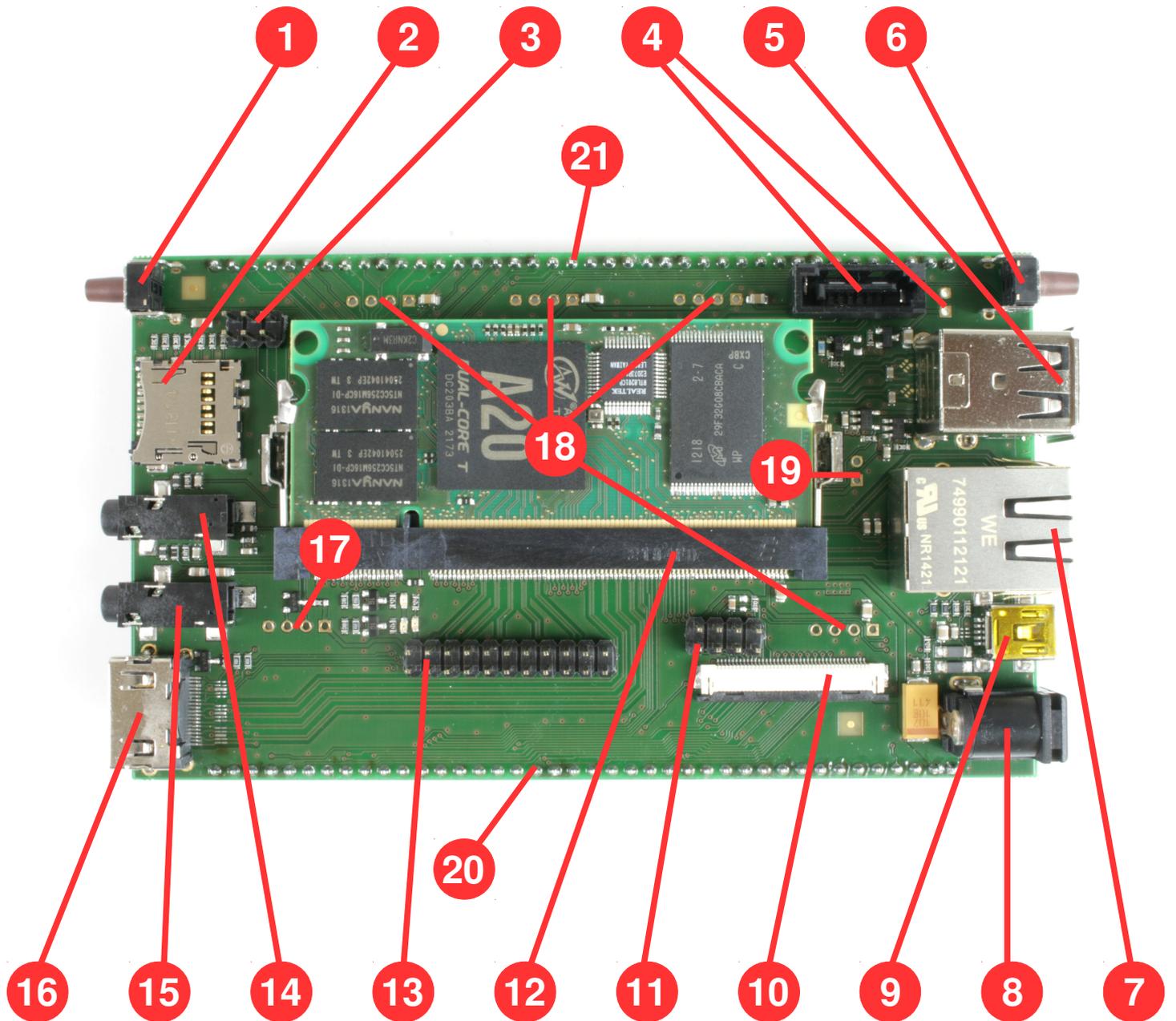


Only one 5V power supply required

Dimensions:

- 122mm x 71.5mm x 18mm
- Temperature range -40°C to 85°C

Board Layout



Board Description

1	Power Button
2	uSD Card Reader
3	JTAG Pinheader (Pin: 1=TCK, 2=3.3V, 3=TDO, 4=TDI, 5=TMS, 6=GND)
4	SATA Connector + Power Pinheader (Pin: 1=5.0V, 2=GND)
5	USB Connectors
6	Boot Select Button
7	LAN Connector for 10/100 Mbit Speed
8	Power Input (inside=Vin, outside=GND)
9	USB Boot Connector
10	CSI Interface
11	LRADC Pinheader (Pin: 1=X1, 2=3.3V, 3=X2, 4=LRADC1, 5=Y1, 6=LRADC0, 7=Y2, 8=GND)
12	SODIMM 200 Socket for A20 Module
13	LVDS Pinheader
14	Analog Audio Out Jack
15	Analog Audio In Jack
16	HDMI Connector
17	Debug Interface (Pin: 1=3.3V, 2=TX, 3=RX, 4=GND)
18	UART Pinheader (Pin: 1=3.3V, 2=RX, 3=TX, 4=GND)
19	Backup Battery Pinheader
20+21	GPIO Pinheader

We also offer:

- Hardware design of base boards optimized for your application
- Prototype and mass production using our in-house production lines
- Assembly options, adapted to your requirements, of our standard products
- Linux driver development and adaption



Contact

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Change history:

Version	Date	Changes	Editor
A	07.10.2014	First version	Schmidt