





Overview Baseboards

	Avari	Bvari	Cadun	Tarion
				
Connector	emCON series		DIMM series	
USB 3.0 Host via USB-A Connector	1 x	1 x	1x	1x
USB Host via USB-A Connector	2 x	-	1 x USB mini A/B	-
USB Host via Pin Header	-	2 x	-	-
USB-OTG via miniUSB Connector	1 x	1 x	-	1 x USB mini A/B
Analog Audio via 3.5mm Audio Jack	1 x	1 x	1x Headphone	1x Headphone
Digital Audio	-	optical SPDIF	-	-
TFT LCD Interface including 4-wire Touch + I ² C Interface	-	-	1 x	1 x
LVDS Interface (generic) via LVDS Connector	2 x	2 x	1 x	1 x
HDMI Interface via HDMI Connector	1 x	1 x	-	-
EDT Display via FFC Connector	1 x	1 x	-	1 x
Backlight via Pin Header	5V	12V	5V	5V
camera interface (up to 4 lanes)	1 x MIPI-CSI-2	-	1 x generic	1 x optional
Camera Parallel Interface (CPI) via Pin Header	1 x	1 x	-	-
Capacitive Touch connectable	1 x	1 x	1 x	1 x
Resistive Touch connectable	1 x	-	1 x	-
Ethernet via RJ45 Jack	1 x 1000 Base T	2 x 1000 Base T	1x 100 Base-TX	1x 100 Base-TX
SATA via SATA Connector	1 x	-	-	1 x
mSATA Slot	-	1 x	-	-
miniPCIe Socket	1 x	1 x	-	1x with mini SIM socket
PCI Socket	-	1 x (up to 4 lanes)	-	-
SD-Interface via microSD Socket	1 x	1 x	1 x	1 x
SD-Interface via SD Socket	-	1 x	-	-
UART (RS232) via DSub-9	1 x	1 x	1 x	1 x
UART (LVTTTL) via Pin Header	4 x	3 x	4 x	4 x
CAN (LVTTTL) via Pin Header	2 x	2 x	1x DSUB-9 via transceiver, 1x LVTTTL level	1x DSUB-9 via transceiver, 1x LVTTTL level
SPI via Header	2 x	2 x	1 x	1 x
I ² C via Pin Header	1 x	2 x	1 x	1 x
GPIO (from emCON) via Pin Header	8 x	8 x	up to 10	up to 5
JTAG (ARM) Interface via Pin Header	1 x	1 x via Tag-Connect	-	-
Wide Range Power Supply via Termblock	-	1 x 12V - 24V	-	-
Power Supply via 2 mm Power Jack	5V	12V	5V, max. 5A	5V, max. 5A
Operating Temperature	-25°C to 80°C	-25°C to 80°C	-20 ... +85°C	-25 ... +80°C
Size	150 x 107 x 20 mm	170 x 170 x 35 mm	125 x 100 x 18 mm	160 x 100 x 18 mm

The availability of every feature depends on the used CPU module and operating system.
Subject to change without notice.
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