

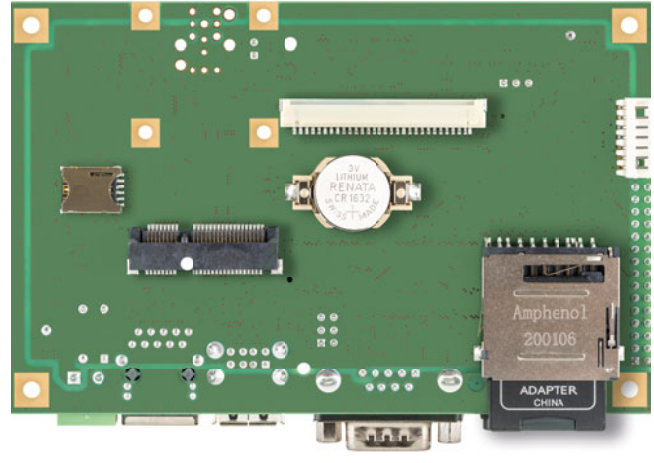
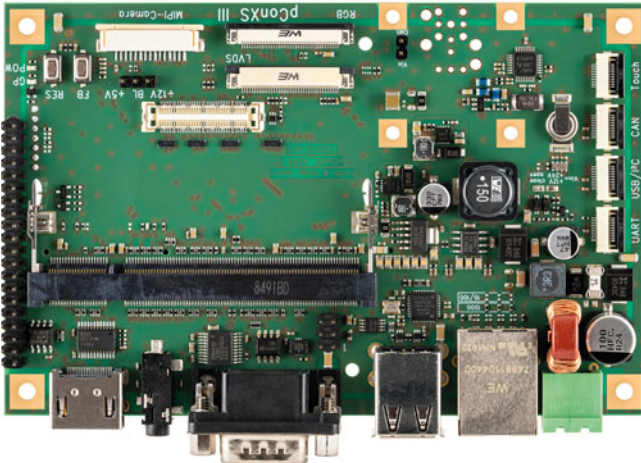
pConXS III

Trizeps SODIMM-200 Baseboard

- Very compact and scalable baseboard with many different interfaces
- Supports a wide range of interfaces, such as Gbit Ethernet, USB 3.0, camera, audio
- HDMI, LVDS or dual LVDS, RGB interfaces enable easy integration of various touch displays
- i-MOD extension connectors allow additional interfaces to be added easily and cost-effectively
- Mini PCIe half/full size card socket, nano SIM card socket

Keith & Koep

Garz & Fricke Group



Compatible CPU-Modules

Trizeps SODIMM-200 modules

Trizeps VII: NXP i.MX 6 Quad, Dual, DualLite, Solo, SoloX ARM Cortex A9 up to 1.0 GHz
Trizeps VIII: NXP i.MX 8M ARM Cortex A53 Quad up to 1.5 GHz, integrated ARM Cortex M4
Trizeps VIII Mini: NXP i.MX 8M Mini ARM Cortex A53 Quad up to 1.8 GHz, integrated ARM Cortex M4
Trizeps VIII Nano: NXP i.MX 8M Nano ARM Cortex A53 Quad up to 1.5 GHz, integrated ARM Cortex M7
Trizeps VIII Plus: NXP i.MX 8M Plus ARM Cortex A53 Quad up to 1.8 GHz, integrated ARM Cortex M7

Onboard

Display Interfaces

LVDS (KuK Modis Standard), Dual-LVDS, 18 Bit parallel RGB display port, HDMI (with Trizeps VII, Trizeps VIII, Trizeps VIII Plus), capacitive touch, resistive touch

Features
(depending on the Trizeps module)

RJ45 Gbit Ethernet, USB 3.0 Host, USB 3.0 OTG, SDMMC card socket, RS232 D-Sub 9, Realtime Clock with Backup Cap or battery, LED, 3-Axis 12-bit/8-bit digital accelerometer, 3.5mm stereo audio head-phone jack, digital temperature sensor, nano SIM card slot, reset and user tactile switch, powerfail detection, MIPI camera connector, analog BNC / Mini BNC parallel camera interface, Mini PCIe Half-/Full Size card edge connector

Wireless Communication

With Trizeps VII: Onboard WiFi Bluetooth Modul, IEEE 802.11 a/b/g/n/e/i/h/d/k/r/w, +18 dBm, 72 Mbps (20 MHz) and up to 150 Mbps (40 MHz), Bluetooth 3.0+ EDR
With Trizeps VIII and Trizeps VIII Mini/Plus: Onboard WiFi-Bluetooth module, WiFi 2.4GHz/5GHz, 802.11 a/b/g/n/ac 2x2 MU-MIMO / Bluetooth 5.0

Expandability

Extension interfaces
(depending on the Trizeps module)

i-MOD FFC connectors: USB, I2C, UART, CAN, resistive Touch

SL2-40: Power, GPIOs (1x with PWM), SPDIF (out and in), stereo headphone (16R and 32R), speaker (Mono, 8R), LineIn, microphone, 2x UARTs, 2x CAN (Trizeps VII), SDIO, I2C, 3 x ADCs

General Details

System Software

Windows 10 IoT - Linux Debian, Yocto - Android

Voltage Supply

Industrial +12 up to +24V supply

Operating Temperature

-20°C ... 85°C

Board Dimensions

133.0 x 93.5 x 25.0 mm (W x H x D)

Environmental Standard

RoHS, REACH, WEEE

Availability

10 years form, fit, function*



*beginning product life circle
Technical modifications reserved, errors excepted

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