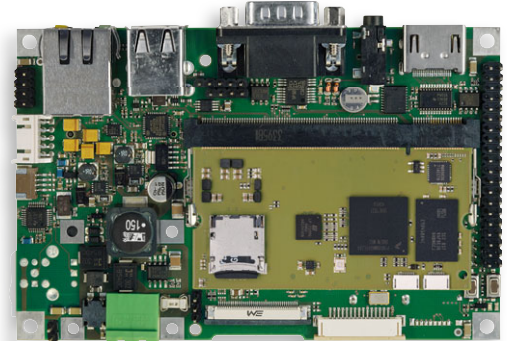


pConXS FF i.MX 8M Evaluation Kit

for Trizeps VIII, Trizeps VIII Mini, Trizeps VIII Nano

Keith & Koep



Based on Trizeps VIII / Trizeps VIII Mini / Trizeps VIII Nano and pConXS FF

Processor	Trizeps VIII: NXP i.MX 8M with Arm Quad-/Dual-Core Cortex A53 up to 1.5 GHz (consumer), 1.3 GHz (industrial), additional Cortex M4 Trizeps VIII Mini: NXP i.MX 8M Mini with Arm Quad-Core Cortex A53 up to 1.8 GHz (consumer), 1.6 GHz (industrial), additional Cortex M4 Trizeps VIII Nano: NXP i.MX 8M Nano with Arm Quad-Core Cortex A53 up to 1.5 GHz, additional Cortex M7
RAM Memory	Up to 8 GByte LPDDR4-3200, 32 Bit (Trizeps VIII and Trizeps VIII Mini), 16 Bit (Trizeps VIII Nano)
Flash Storage	Onboard 4 Bit wide μ SD Socket (recommendation) or onboard 8 Bit wide eMMC – not available at the same time

Onboard

Display Interfaces	LCD 18 Bit RGB, touch capacitive, Dual-LVDS, HDMI v2.0a (only Trizeps VIII)
Features	USB2.0 Host, USB2.0 OTG, USB2.0 touch interface, USB2.0 Header, μ SD card socket, RJ45 10/100 Mbit Ethernet, RS232 D-Sub 9, Realtime Clock with Backup Cap or battery, LED, 3-Axis 12-bit/8-bit digital accelerometer, 3.5mm stereo audio headphone jack, temp. sensor, Mini PCIe half-/full size card edge connector with SIM card slot (support and functionality on request), FX11 high-speed board to board connector, I2C extension header, reset and user tactile switch, powerfail detection, MiPi camera connector (Raspberry Pi)
Wireless Communication	Trizeps VIII / Trizeps VIII Mini option: Onboard WLAN-Bluetooth module, WLAN 2.4GHz/5GHz, 802.11 a/b/g/n/ac 2x2 MU-MIMO, Bluetooth 4.2 / 5.0 Optional installable Mini PCIe cards with various modem interfaces like LTE, UMTS, GSM (support and functionality on request)

Expandability

Extension Connector	SL2-40 2.54mm Pin header and Mini PCIe Half-/Full Size card edge connector
Extension interfaces	SL2-40 Power, GPIOs (1x with PWM), SPDIF (out and in), stereo headphone (16R and 32R), speaker (Mono, 8R), LineIn, microphone, 2 x UARTs, 2x CAN, SDIO, I2C, 3 x ADCs

General Details

Display	7.0" TFT-Display 800 x 480 pixel, Touch capacitive
System Software	Linux Kernel 4.14, Android 9, Windows 10 IoT Core (coming soon)
Voltage Supply	Industrial +12V supply
Support Level	1: Evaluation-Kit with BSP (binary), basic documentation and support on website 2: phone and email support for 180 days (at office time), basic hardware application notes 3: advanced hardware application notes, design kit including evaluation board schematics (NDA required)
Dimensions	195 x 120 x 70 mm (W x H x D)
Include	pConXS FF, Trizeps VIII, Trizeps VIII Mini or Trizeps VIII Nano, 7.0" Display, OS-image, solid bases, power supply
Order code	58 000.EVK (Trizeps VIII) / 59 000.EVK (Trizeps VIII Mini) / 61 000.EVK (Trizeps VIII Nano, coming soon)



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