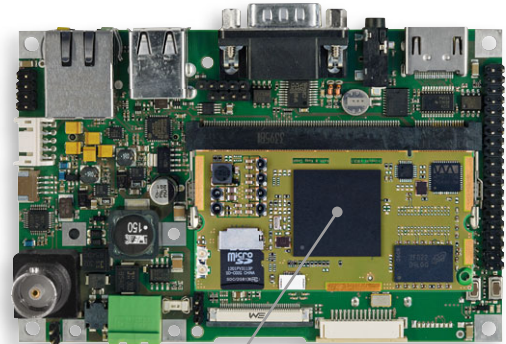


# Evaluation Kit pConXS FF

for Trizeps VII

Keith & Koep



Trizeps VII (incl. WLAN/Bluetooth Module)

## Based on Trizeps VII and pConXS FF

Processor	NXP i.MX 6 Solo (1.0 GHz EC)
RAM Memory	2 x 16 Bit DDR3-1066 (533MHz), 32 Bit 1 CS, 1 GByte
Flash Storage	Onboard 4 Bit wide $\mu$ SD Socket for Cards up to 32 GB

## Onboard

Display Interfaces	LCD 18 Bit RGB, 5.0", 7.0" TFT-Display 800 x 480, 5.7" TFT-Display 640 x 480 (4.3" on request), touch resistive and capacitive, HDMI v1.4 WUXGA, Dual-LVDS WUXGA
Features	USB2.0 Host, USB2.0 OTG, USB2.0 touch interface, USB2.0 Header, 4 wire resistive touch interface, SDMMC 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), SATA II connector, FX11 high-speed board to board connector, I <sup>2</sup> C extension header, reset and user tactile switch, powerfail detection, analog BNC / Mini BNC parallel camera interface, MiPi camera connector (Raspberry Pi)
Wireless Communication	Trizeps VII option: Onboard WLAN and Bluetooth module, 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 / 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	E-Boot, U-Boot, Barebox / Windows Embedded Compact 7, 2013 – Linux Kernel 3.035, 4.1, 4.4 – Ubuntu 14.04, 16.04, LXDE, Yocto – Android 4.2.2, 6.0
Voltage Supply	Industrial +12V supply
Support Level	1: Evaluation-Kit with BSP (binary), basic documentation, 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 VII, 7.0" Display, $\mu$ SD Card, solid bases, power supply
Order code	15 460.EVK



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