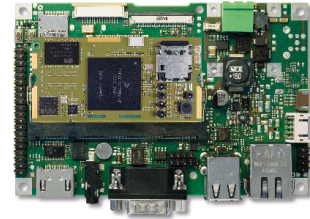


# i-PAN X7 LC Eval-Kit

for Trizeps VII

Keith & Koep

- Build-in industrial PanelPC solution
- 7.0" projected capacitive touchscreen LCD with 2 mm mineral glass front
- Optimal touch functionality using an optical bonding process to bond the display to the glass pane



## Technical Data based on Trizeps VII and pConXS LC

Processor	NXP i.MX 6 Solo (800 MHz IT)
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 $\mu$ SD cards up to 32 GB

## Onboard

Display interfaces	LCD 18 Bit RGB, touch capacitive, HDMI v1.4 WUXGA
Interfaces	USB2.0 Host, USB2.0 OTG, HDMI v1.4 WUXGA, USB2.0 Header, RJ45 10/100 Mbit Ethernet, RS232 D-Sub 9, 3.5mm stereo audio headphone jack

## Expandability pConXS LC

Additional features and interfaces	USB2.0 Header, $\mu$ SD card socket, FX11 high-speed board to board connector, I <sup>2</sup> C extension header, reset and user tactile switch, RTC with Backup Cap, MiPi camera connector (Raspberry Pi)
Extension connector interfaces	SL2-40 2.54mm Pin header: Power (3V3, 5V, Vin fused), GPIOs (1x with PWM), SPDIF (out and in), stereo headphone (16 $\Omega$ and 32 $\Omega$ ), speaker (Mono, 8 $\Omega$ ), LineIn, microphone, 2x UARTs, 2x CAN, SDIO, I2C, 3x ADCs

## General Details

Display	7.0" TFT-Display 800 x 480 pixel, projected capacitive touchscreen LCD, bonded behind 2 mm mineral glass using an optical bonding process
Housing	Enclosure front with 2 mm on one side chemically-treated anti-reflective mineral glass, IP65 protection level for the installation area (dust and splash water), glass fibre reinforced plastic housing with backside metal cover, simple assembly with clamps on the back
Board Support Package	Microsoft Windows Embedded Compact 7, 2013 / Android JB 4.2.2 - 1.1.0 ASOP, Linux Ubuntu 14.04 LTS
Support Level	1: Evaluation-Kit with BSP (binary), support on website 2: phone and email support for 180 days (at office time, 180 days, max. 4 hours), basic hardware application notes 3: advanced hardware application notes, design kit including evaluation board schematics (NDA required)
Voltage Supply	Industrial +12V
Dimensions	226 x 146 x 55 mm (W x H x D)
Order code	<b>39 010.EVK with Android/Linux OS</b> Incl.: pConXS LC baseboard, Trizeps VII Solo /IT800/R1G.2/ $\mu$ SD/ETH/CODW/RoHS, 4 GB $\mu$ SD card with Android/Linux image, 12V power supply, cable set <b>39 020.EVK with Microsoft Windows Embedded Compact 7 OS</b> Incl.: pConXS LC baseboard, Trizeps VII Solo /IT800/R1G.2/ $\mu$ SD/ETH/CODW/RoHS, 4 GB $\mu$ SD card with Microsoft Windows Embedded Compact 7 image, 12V power supply, cable set, Support Level 2 (Versions with other Trizeps VII types on request)



Rev.0316  
Technical modifications reserved, errors excepted

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