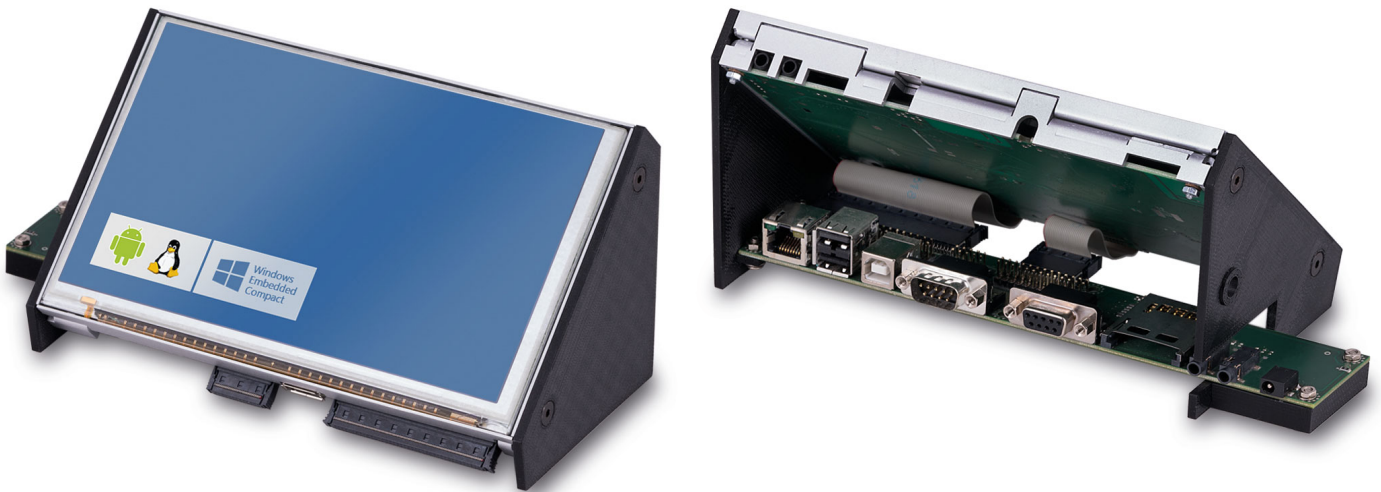


# Evaluation Kit i-PAN7

LC-E, CAN or MC version

Keith & Koep



## Based on Trizeps IV, VI, VII SODIMM 200 CPU modules

Processor	NXP or Marvell processors from Single Core 312 MHz to 1.0 GHz up to DualLite 800 MHz
Compatible CPU-Modules	Trizeps IV-M, Trizeps IV-WL, Trizeps VI, Trizeps VII Solo and DualLite
RAM Memory	64 MByte SDRAM over 256 MByte DDR2 to 2 GByte DDR3-1066, 16/32/64 Bit
Flash Storage	Onboard 8 Bit wide NOR flash / NAND flash 64 MB up to 256 MB, onboard 8 Bit wide eMMC with 4GB up to 64GB and onboard 4 Bit wide $\mu$ SD Socket with 4GB up to 32GB Cards

## Onboard

Display Interfaces	LCD 18 Bit RGB, 7.0" TFT-Display 800 x 480 pixel, Touch resistive and capacitive
Features depend on i-PAN7 version	10/100 Mbit Ethernet, USB2.0 OTG (Trizeps VI, VII), USB1.1 OTG (Trizeps IV), SD/MMC Card Socket, Reset, 2.6W stereo speaker output (only CAN version), stereo headphone output, Microphone input, WLAN F-Antenna, LED, Realtime Clock with Backup Cap. / on request: analog video/ camera input
Wireless Communication depends on i-PAN7 version	Trizeps option: Onboard WLAN and Bluetooth modules, IEEE 802.11 b/g (Trizeps IV-WL,VI) or a/b/g/n/e/i/h/d/k/r/w, +18 dBm (Trizeps VII), 72 Mbps (20 MHz) and up to 150 Mbps (40 MHz), Bluetooth 2.0+ EDR (only Trizeps VI) or 3.0+ EDR (only Trizeps VII) Only MC version: Onboard quad-band GSM/GPRS modem, GPS receiver

## Expandability

Extension Connectors depend on i-PAN7 version	IO-Extension connector SMC-B-26 (only CAN version) and general interface connector SMC-B-80 (LC-E, CAN, MC version)
Extension interfaces depend on i-PAN7 version	Power-in, FF-UART (COM1), BT-UART (COM2) or RS485 or modem, UART (TTL, 3V3), USB-Slave, USB-OTG, USB-Host, SDIO, GPIOs, 3x ADCs, LineIn, stereo headphone, Ethernet, I2C Only CAN version: 8 x +24V-IOs, CAN

## General Details

Display	7.0" TFT-Display 800 x 480 pixel, Touch resistive or capacitive
Board Support Package	Windows Embedded CE 5.0, 6.0 R3, Compact 7 (Trizeps IV, VI, VII) / Windows Embedded Compact 2013, Android JB 4.2.2 - 1.1.0 ASOP, Linux Ubuntu 14.04 LTS (only Trizeps VII)
Voltage Supply	Industrial +12V supply
Support Level	1: Evaluation-Kit with BSP (binary), basic documentation (Quick-Start-Guide and Support DVD), 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	209 x 94 x 90 mm (W x H x D)
Include	i-PAN7, Trizeps CPU module, $\mu$ SD Card, solid bases, power supply



www.keith-koep.com

Rev.1216

Technical modifications reserved, errors excepted

Keith & Koep GmbH  
Uellendahler Str. 199  
42109 Wuppertal

Tel +49-202-25253-0  
Fax +49-202-25253-33