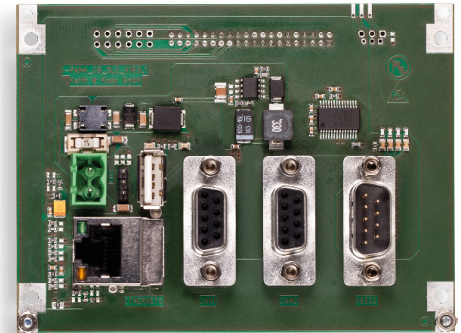
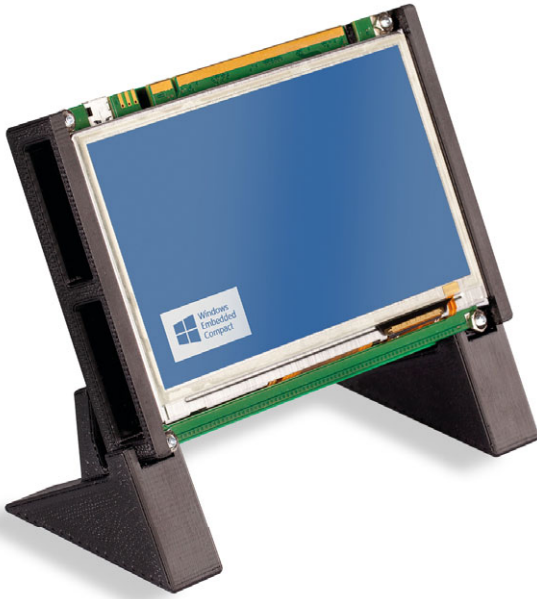


# Evaluation Kit i-PAN4

Keith & Koep



## Computing Units

Processor	Low Power Freescale™ i.MX287 CPU, 454MHz
RAM Memory	128 MB DDR2-RAM
Flash Storage	Onboard 4 Bit wide μSD Socket for Cards up to 32 GB

## Onboard

Display Interfaces	4.3" cap. touch TFT-display (480 x 272 pixel)
Features	μUSB2.0-OTG connector, 2x non-isolated FlexCAN Transceivers, 10/100 Ethernet PHY, i2S Audio Codec, Realtime Clock with backup cap., Debug-UART accessible via Keith & Koep Flex-Connector
Wireless Communication	Onboard WLAN module, IEEE 802.11 b/g
Power units	Low cost PMU variant with internal DC/DC and LDOs inside i.MX28

## Expandability

Extension Connector	SL2-40 2.0mm Pin header
Extension interfaces	Power, USB2.0 Host, 4x UARTS, 2x SPI, I2C, GPIOs, PWMs, second 10/100 Ethernet, 2x FlexCAN, Audio, SPDIF
Connection Board Interfaces	Industrial Power Plug, USB 2.0 Host-A, 1 x 10/100 MBit Ethernet RJ45, 2 x non-isolated CAN D-SUB 9, RS232 D-SUB 9, SL2-12 2.54mm field: I2C, HSADC, SPDIF, SL1-3 2.54mm field: Stereo Headphone

## General Details

Display	4,3" TFT-Display 480 x 272 pixes, Touch capacitive
Board Support Package	Windows Embedded CE 5.0, 6.0 R3, Compact 7 (Trizeps IV, VI, VII) / Android JB 4.2.2 - 1.1.0 ASOP, Build-via VirtualBox: Ubuntu 12.04 LTS (only Trizeps VII)
Voltage Supply	Industrial +12V supply
Support Level	1: Evaluation-Kit with BSP (binary), 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	122 x 100 x 55 mm (W x H x D)
Include	i-PAN4-FF Baseboard, Connection Board, 4,3" display, μSD Card, solid bases, 12V@1A power supply, μUSB debug adapter with cables



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Technical modifications reserved, errors excepted

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