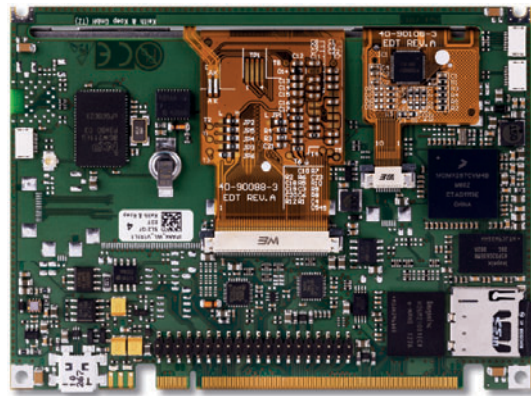
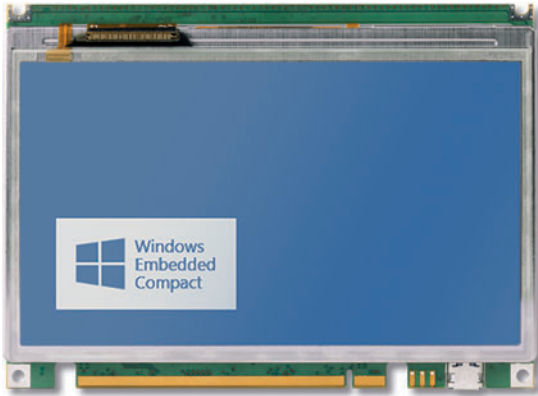


# i-PAN4 FF

## Intelligent Touch Panel

- Compact industrial PanelPC solution
- Res./cap. Touchscreen 4,3" LCD
- Onboard radiocommunication, CAN Transceivers, RTC, Audio Codec, and Ethernet PHY
- Peripherals: direct access via extension header and MXM connector
- Designed as low power LiPo solution
- Full function version (FF)

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 32GB (μSD card with Operation system is required)

## Onboard and Direct Connectivity

Display Interfaces	4.3" res. /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 or MXM-230 pin card edge connector
Extension interfaces	Power, USB2.0 Host, 4x UARTS, 2x SPI, I2C, GPIOs, PWMs, second 10/100 Ethernet, 2x FlexCAN, Audio, SPDIF

## General Details

Operating Systems	Windows Embedded CE 6.0 R3, Compact 7
Voltage Supply	+5V DC single supply via μUSB-Connector or extension connector / power consumption below 2.5W LiPo interface
Operating Temperature	0 °C ... +70 °C / -20 °C ... +85 °C on request
Board Dimensions	105.5 x 77.5 x 13.5 mm (W x H x D)
Environmental Standard	RoHS, REACH, WEEE
Availability	10 years form, function*



www.keith-koep.com

\*beginning product life circle  
Technical modifications reserved, errors excepted

Rev.0215

Keith & Koep GmbH  
Uellendahler Str. 199  
42109 Wuppertal

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