

# i-PAN7 MC

## Intelligent Touch Panel

- Mobile Communication (MC) via onboard GSM/GPRS/GPS modules
- Compact and scalable PanelPC solution
- Based on Trizeps SODIMM-200 CPU Modules
- 7.0" res./cap. Touchscreen LCD
- Small metal housing
- Wireless communication via Trizeps WiFi and Bluetooth on request
- Peripherals: direct access through multipole extension headers

Keith & Koep



## Computing Units based on Trizeps IV, VI, VII 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, onboard 4 Bit wide $\mu$ SD Socket with 4GB up to 32GB Cards

## Onboard

Display Interfaces	Parallel 18 Bit RGB Display Port, resistive and capacitive touch, LVDS on request
Features	10/100 Mbit Ethernet, USB2.0 OTG (Trizeps VI, VII), USB1.1 OTG (Trizeps IV), SD/MMC Card Socket, Reset, stereo headphone output, Microphone input, WLAN F-Antenna, LED, Realtime Clock with Backup Cap. / On request @ 100 pcs: analog video/ camera input
Wireless Communication	Onboard quad-band GSM/GPRS modem, GPS receiver. 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)

## Expandability

Extension Connector	General interface connector SMC-B-80
Extension interfaces	Power-in, FF-UART (COM1), UART (TTL, 3V3), USB-Slave, USB-OTG, USB-Host, SDIO, GPIOs, 3x ADCs, LineIn, stereo headphone, Ethernet, I2C

## General Details

Display	7.0" TFT-Display 800 x 480 pixel, touch resistive or capacitive
Operating Systems	Windows Embedded CE 5.0, 6.0 R3, Compact 7 (Trizeps IV, VI, VII), Compact 2013 (only Trizeps VII)
Voltage Supply	Single voltage supply +12V, average power consumption: 350mA
Operating Temperature	0°C to +70°C, -20°C to +85°C industrial on request
Dimensions	169,4 mm x 108,4 mm x 18,2 mm (fittings +4,2 mm)
Environmental Standard	RoHS, REACH, WEEE
Availability	10 years form, function*



www.keith-koep.com

Keith & Koep GmbH  
Uellendahler Str. 199  
42109 Wuppertal

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

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

Rev.1216