

i-PAN5

Intelligent Touch Panel for Trizeps VII

- Low cost compact and scalable industrial PanelPC solution
- HDMI V1.4, Dual LVDS or Touchscreen LCDs in different sizes
- 3-Axis 12-bit/8-bit digital accelerometer
- Peripherals: direct access via standard connectors and extension header
- CAN, RS485 und SATA II connector

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Technical Data based on Trizeps VII and iP5-Base

Processor	NXP i.MX 6 Quad, Dual, DualLite, Solo / 800 MHz – 1.0 GHz
RAM Memory	4 x 16 Bit DDR3-1066 (533MHz), 16/32/64 Bit 1 CS, 256 MByte up to 1 GByte
Flash Storage	Onboard 4 Bit wide μ SD Socket with up to 32GB Cards (standard) or onboard 8 Bit wide eMMC with 4GB up to 64GB (on request)

Onboard

Display Interfaces	LCD 18 Bit RGB, 5.0", 7.0" TFT-Display 800 x 480, 5.7" TFT-Display 640 x 480, Touch resistive and capacitive HDMI v1.4 WUXGA, Dual-LVDS WUXGA
Features	USB2.0 Host, USB2.0 OTG, μ SD Card Socket, RJ45 10/100 Mbit Ethernet, RS232 D-Sub 9, CAN RS485 D-Sub 9, Realtime Clock with Backup Cap or battery, LED, 3-Axis 12-bit/8-bit Digital Accelerometer, Reset, Audio LDO, Temp. Sensor, RGB Display, SATA II connector, FX11 high-speed board to board connector
Wireless Communication	Trizeps VII option: Onboard WLAN and Bluetooth module, IEEE 802.11 a/b/g/n/e/i/h/d/k/r/w, +18 dBm, 72 Mbps (20 MHz) and up to 150 Mbps (40 MHz), Bluetooth 3.0+ EDR

Expandability

Extension Connector	SL2-40 2.54mm Pin header
Extension interfaces	SL2-40 Power, GPIOs (1x with PWM), SPDIF (Out and In), stereo Headphone (16R and 32R), Speaker (Mono, 8R), LineIn, Microphone, 2 x UARTs, 2x CAN, SDIO, I2C, 3 x ADCs

General Details

Operating Systems	Microsoft Windows Embedded Compact 7, 2013 / Android JB 4.2.2 - 1.1.0 ASOP, Linux Ubuntu 14.04 LTS
Voltage Supply	Industrial +12 up to +24V supply, low cost +5V direct supply (optional)
Operating Temperature	0°C to +70°C / -20°C to +85°C on request
Board Dimensions	118.5 x 77.6 x 23.4 mm (PCB)
Environmental Standard	RoHS, REACH, WEEE
Availability	10 years form, function*
Order codes	38 122.TPR (5.0" resistive touch display), 38 122.TPC (5.0" capacitive touch display) 38 142.TPR (7.0" resistive touch display), 38 142.TPC (7.0" capacitive touch display)



*beginning product life circle
Technical modifications reserved, errors excepted

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