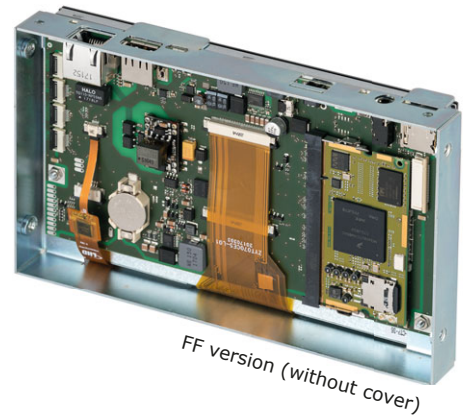


i-PAN T7

Compact 7.0 inch Touch Panel Computer with metal housing

Keith & Koep

- Ideal basis for customer-specific Panel PC solutions
- Based on Trizeps VII with NXP i.MX 6 / Trizeps VIII with NXP i.MX 8M / Trizeps VIII Mini with NXP i.MX 8M Mini / Trizeps VIII Nano with NXP i.MX 8M Nano
- Wireless communication via Trizeps WiFi and Bluetooth (on request)
- POE (Power Over Ethernet) available
- Extension connectors for Breakout Boards



Computing Units are based on Trizeps CPU modules and i-PAN T7 Baseboard

Processor	Trizeps VII: NXP i.MX 6 Quad, Dual, DualLite, Solo, SoloX ARM Cortex A9 up to 1.0 GHz Trizeps VIII: NXP i.MX 8M ARM Cortex A53 Quad up to 1.5 GHz, integrated ARM Cortex M4 Trizeps VIII Mini: NXP i.MX 8M Mini ARM Cortex A53 Quad up to 1.8 GHz, integrated ARM Cortex M4 Trizeps VIII Nano: NXP i.MX 8M Nano ARM Cortex A53 Quad up to 1.5 GHz, integrated ARM Cortex M7
RAM Memory	Trizeps VII: Up to 2 GByte DDR3-1066 (533MHz), 16/32/64 Bit 1 CS (4 GByte on request) Trizeps VIII and Trizeps VIII Mini: Up to 8 GByte LPDDR4-3200 RAM, 32 Bit Trizeps VIII Nano: Up to 8 GByte LPDDR4-3200 RAM, 16 Bit
Flash Storage	Trizeps VII, Trizeps VIII, Trizeps VIII Mini, Trizeps VIII Nano: Onboard 4 Bit wide μ SD Card Socket (recommendation) or onboard 8 Bit wide eMMC (not available at the same time), eMMC available in different memory sizes

Features

Display	7.0" TFT-Display, 800 x 480 pixel, 350 cd/qm, capacitive touchscreen LCD
Interfaces FF version (Full Function)	USB2.0 Host, μ USB2.0 OTG, RJ45 10/100/1000 Mbit Ethernet (depends on the Trizeps CPU module), μ SD Card Socket, 3,5 mm Headset Jack for Microphone and Headphone, Realtime Clock with Backup battery, LED, Powerfail Detection
Interfaces LC version (Low Cost)	USB2.0 Host, RJ45 10/100/1000 Mbit Ethernet (depends on the Trizeps CPU module), Realtime Clock with Backup Cap, LED, Powerfail Detection
Wireless Communication (on request)	With Trizeps VII: Onboard WiFi-Bluetooth Module, IEEE 802.11 a/b/g/n/e/i/h/d/k/r/w, +18 dBm, 72 Mbps (20 MHz), up to 150 Mbps (40 MHz), Bluetooth 3.0+ EDR With Trizeps VIII and Trizeps VIII Mini: Onboard WiFi-Bluetooth Module, WLAN 2.4GHz/5Ghz, 802.11 a/b/g/n/ac 2x2 MU-MIMO / Bluetooth 5.0 With Trizeps VIII Nano: no WiFi/Bluetooth

Expandability for Breakout-Boards

Extension interfaces FF version	FFC connectors with USB, I2C, UART, CAN, Keys, Camera (Raspberry Pi) / Solderpads for SPI, Speaker (2.6 W Audio Amplifier), Headphone, Microphone
Extension interfaces LC version	FFC connector with UART / Solderpads for SPI, Headphone, Microphone

General Details

System Software	Trizeps VII: E-Boot, U-Boot, Barebox, UEFI / Windows 10 IoT Core, Windows Embedded Compact 7, 2013 - Linux Kernel 3.035, 4.1, 4.4 - Ubuntu 14.04, 16.04, LXDE, Yocto - Android 4.2.2, 6.0 Trizeps VIII, Trizeps VIII Mini, Trizeps VIII Nano: Linux Kernel 4.14, Android 9, Windows 10 IoT Core
Voltage Supply	Industrial +12 up to 24V supply / only for FF version: Power over Ethernet (POE)
Operating Temperature	-20°C to 70°C (can be different depending on the used CPU module)
Dimensions (W x H x D)	176,0 x 108,5 x 28,0 mm (include housing)
Environmental Standard	RoHS, REACH, WEEE
Availability	10 years form, function*



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*beginning product life circle Rev.2003
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