

Evaluation-Kit i-PAN T7 CoverLens

for Trizeps SODIMM 200 CPU modules

Keith & Koep



Computing Units based on Trizeps VII, VIII or VIII Mini CPU modules and i-PAN T7 Baseboard

Processors	Trizeps VII: NXP i.MX 6 Quad, Dual, DualLite, Solo, SoloX ARM Cortex A9 bis 1.0 GHz Trizeps VIII: NXP i.MX 8M ARM Cortex A53 Quad up to 1.5 GHz, additional ARM Cortex M4 Trizeps VIII Mini: NXP i.MX 8M Mini ARM Cortex A53 Quad up to 1.8 GHz, additional ARM Cortex M4
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
Flash Storage	Trizeps VII, Trizeps VIII, Trizeps VIII Mini: 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, 850 cd/qm, projected capacitive touchscreen LCD, 1,8 mm glass front
Interfaces (FF version)	USB2.0 Host, μ USB2.0 OTG, RJ45 10/100 Mbit Ethernet, μ SD Card Socket, 3,5 mm Headset Jack for Microphone and Headphone, Realtime Clock with Backup battery, 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

Expandability

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
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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: Linux Kernel 4.14, Android 9, Windows 10 IoT Core (coming soon)
Voltage Supply	Industrial +12 up to 24V supply, Power over Ethernet (POE)
Operating Temperature	-20°C to 70°C
Dimensions	250 x 200 x 120 mm (W x H x D)
Include	7.0" Touchdisplay with cover lens, i-PAN T7 Baseboard (FF Version with POE), Trizeps SOM (VII, VIII or VIII Mini), i-MOD RS232 adaptation board (incl. FFC cable), OS Image, Power Supply, Acrylic Glass Stand
Order code	47 000.EVK (with Trizeps VII), 47 100.EVK (with Trizeps VIII), 47 200.EVK (with Trizeps VIII Mini)



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www.keith-koep.com

Keith & Koep GmbH
Uellendahler Str. 199
42109 Wuppertal
Tel +49-202-25253-0
Fax +49-202-25253-33