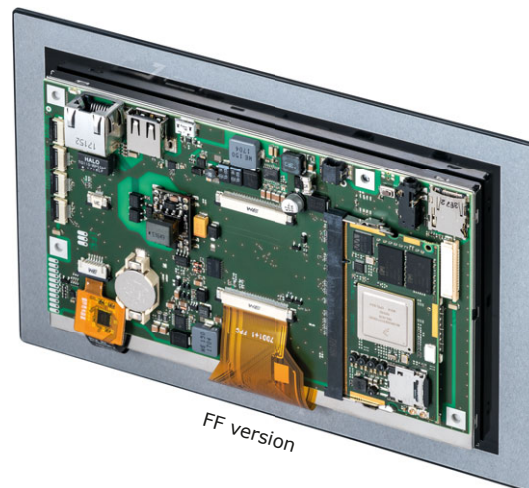


# i-PAN T7 CoverLens

## Modular 7.0 inch Touchpanel Computer

Keith & Koep

- Ideal basis for customer-specific Panel PC solutions
- 7.0" projected capacitive touchscreen LCD with 1,8 mm glass front
- Based on Trizeps SODIMM 200 CPU module technology with NXP i.MX 6 processor
- Extension connectors for Breakout Boards
- Wireless communication via Trizeps WiFi and Bluetooth (on request)
- POE (Power Over Ethernet) available
- The components are available separately or as assembly units, housing on request



### Computing Units based on Trizeps VII SOM and i-PAN T7 Baseboard

Processor	NXP i.MX 6 Quad, Dual, DualLite, Solo / 800 MHz – 1 GHz
RAM Memory	Up to 4 x 16 Bit DDR3-1066 (533MHz), 16/32/64 Bit 1 CS, 256 MByte to 1 GByte (2, 4 GByte on request)
Flash Storage	Onboard 4 Bit wide $\mu$ SD Socket (on Trizeps VII) for cards up to 32GB (standard) or onboard 8 Bit wide eMMC with 4GB up to 64GB (on request)

### 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 (Full Function)	USB2.0 Host, $\mu$ USB2.0 OTG, RJ45 10/100 Mbit Ethernet, $\mu$ 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 Mbit Ethernet, Realtime Clock with Backup Cap, LED, Powerfail Detection
Wireless Communication (on request)	Trizeps options: 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 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	E-Boot, U-Boot, Barebox, UEFI / Windows 10 IoT Core, Windows Embedded Compact 7, 2013 – Linux Kernel 3.035, 4.1.15, 4.4 – Ubuntu 14.04, 16.04, LXDE, Yocto – Android 4.2.2, 6.0
Voltage Supply	Industrial +12 up to 24V supply / only for FF version: Power over Ethernet (POE)
Operating Temperature	-20°C to 70°C
Dimensions (W x H x D)	i-PAN T7 Baseboard: 164,0 x 92,0 x 17,0 mm / Display: 201.0 x 133.0 x 8.7 mm
Environmental Standard	RoHS, REACH, WEEE
Availability	10 years form, function*
Order Codes	i-PAN T7 CoverLens FF: 47 400.CL / i-PAN T7 CoverLens LC: 47 100.CL (incl. i-PAN T7 Baseboard FF or LC, without Trizeps VII)



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

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