

# i-PAN M7 CoverLens

## Modular 7.0 inch Touchpanel Computer

Keith & Koep

- Ideal basis for customer-specific Panel PC solutions
- High brightness 7.0 inch capacitive touch display (850 cd/qm), sunlight readable
- Based on Myon I, Myon II or Myon II Nano CPU modules
- Extension connectors for i-MOD Extensionboards
- WiFi, Bluetooth, GPS are optional available (only with Myon I)
- POE (Power Over Ethernet) available
- The components are available separately or as assembly units, housing on request



### Computing Units based on Myon CPU modules and i-PAN M7 Baseboard

Processors	Myon I: Qualcomm® Snapdragon™ 410E Quad-Core ARM Cortex A53 up to 1.2GHz (APQ8016E), Qualcomm® Adreno™ 306 400MHz GPU Myon II: NXP™ i.MX 8M Mini Quad-Core Arm® Cortex™ A53 bis 1.8GHz, with integrated Cortex™ M4 Myon II Nano: NXP™ i.MX 8M Nano Quad-Core Arm® Cortex™ A53 bis 1.5GHz, with integrated Cortex™ M7
RAM Memory	Myon I: 1 GByte LPDDR3-1066 (533 MHz), 32 Bit, 2 GByte on request Myon II: Up to 8 GByte LPDDR4-3200 RAM, 32 Bit Myon II Nano: Up to 8 GByte LPDDR4-3200 RAM, 16 Bit
Flash Storage	Myon I: 8 GByte eMMC, 16 GByte on request Myon II and Myon II Nano: 8 Bit wide eMMC, available in different memory sizes

### Features

Display	7.0" TFT-Display, 800 x 480 pixel, brightness 850 cd/qm, capacitive touchscreen LCD, 1.8 mm glass front
Interfaces FF version (Full Function)	USB2.0 Host, µUSB2.0 OTG, RJ45 10/100 Mbit Ethernet, µSD Card Socket, 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	With Myon I: WiFi 802.11 b/g/n 2.4 GHz, Bluetooth 4.1, GPS With Myon II and Myon II Nano: no WiFi/Bluetooth/GPS

### Expandability for i-MOD Extensionboards

Extension interfaces FF version	FFC connectors with USB, I2C, UART, Keys, Camera (Raspberry Pi), Battery (optional) / Solderpads for Speaker, Headphone, Microphone
Extension interfaces LC version	FFC connector with UART / Solderpads for Speaker, Headphone, Microphone

### General Details

System Software	System Software: UEFI, LK / Windows 10 IoT Core – Linux, Android
Voltage Supply	Industrial +12 up to 24V supply / only for FF version: Power over Ethernet (POE) / only with Myon I: LiPo battery supply (optional)
Operating Temperature	0°C to 70°C, -20°C to 70°C optional
Dimensions (W x H x D)	i-PAN M7 Baseboard: 130.0 x 70.0 x 17.0 mm / Display: 201.0 x 133.0 x 8.7 mm
Environmental Standard	RoHS, REACH, WEEE
Availability	10 years form, function*



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

Rev.1912

www.keith-koep.com

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