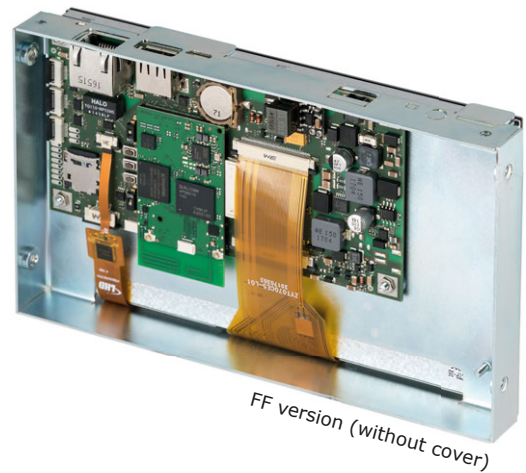


i-PAN M7

Compact 7.0 inch Touch Panel Computer with metal housing

Keith & Koep

- Ideal basis for customer-specific Panel PC solutions
- 7.0" capacitive touchscreen LCD
- Based on Myon CPU module technology with Qualcomm® Snapdragon™ 410E CPU
- POE (Power Over Ethernet) available
- Wireless communication via Myon onboard WiFi, Bluetooth, GPS
- Extension connectors for Breakout Boards



Computing Units based on Myon I SOM and i-PAN M7 Baseboard

Processor	Qualcomm® Snapdragon™ 410E Quad-core ARM Cortex A53 up to 1.2GHz (APQ8016E), Qualcomm® Adreno™ 306 400MHz GPU
RAM Memory	1 GByte LPDDR3-1066 (533 MHz), 32 Bit
Flash Storage	8 GByte eMMC

Features

Display	7.0" TFT-Display, 800 x 480 pixel, 350 cd/qm, capacitive touchscreen LCD
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 (on Myon I SOM)	WLAN 802.11 b/g/n 2.4 GHz, Bluetooth 4.1, GPS

Expandability for Breakout-Boards

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	UEFI, LK / Windows 10 IoT Core – Linux Debian 9 (Kernel 4.4, 4.9), Android 6 (Linux Kernel 3.10)
Voltage Supply	Industrial +12 up to 24V supply / only for FF version: Power over Ethernet (POE) / LiPo battery supply (optional)
Operating Temperature	-20°C to 70°C
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*
Order Codes	i-PAN M7 FF: 46 410 / i-PAN M7 LC: 46 110 (incl. i-PAN M7 Baseboard FF or LC, without Myon I)



*beginning product life circle
Technical modifications reserved, errors excepted

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