i-PAN M7 CoverLens
Modular 7.0 inch Touchpanel Computer

- 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 |
| RAM Memory | Myon I: 1 GByte LPDDR3-1066 (533 MHz), 32 Bit, 2 GByte on request |
| Flash Storage | Myon I: 8 GByte eMMC, 16 GByte on request |

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
- Expandability for i-MOD Extensionboards: FFC connectors with USB, 12C, UART, Keys, Camera (Raspberry Pi), Battery (optional) / Solderpads for Speaker, Headphone, Microphone
- General Details: 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*