



Features

- Freescale i.MX6 applications processor 1GHz (2 cores)
- RAM DDR3L 1(2) GB or SSD soldered 8 (16) GB
- 1x SDHC slot up to 64 GB
- USB 2.0 OTG
- 2 x SIM-cards
- Operating temperature range: -20 to +60°C (-30°C, optional)
- Long-term availability (up to 10 years)
- Docking station availability
- Global positioning systems (integrated active GLONASS/GPS aerial)
- Modifications according to Customer's requirements
- Long-term availability (up to 10 years)
- Possibility to install video camera

Overview

PKM-01 is designed for use as a mobile or onboard tablet PC operating at the extended temperature range from -30 to +60 °C. The device runs under Android or Linux, has a wide number of communication interfaces and performs the following functions:

- Output of graphic or audio information;
- Control and diagnostics procedures;
- Processing of information entered by operator via keyboard;
- Communication with other devices via wire or wireless interfaces;
- Global positioning systems (integrated active GLONASS/GPS aerial);
- Connection to GSM networks (up to 2 SIM-cards).

Technical Specifications

Processor

Freescale i.MX6 1Hz processor (2 cores)

Display

- Display size: 8,4"
- Resolution: 800x600
- Screen brightness: 450 CD/M2
- Contrast ratio: 600:1
- Shock resistant and antiglare touch-screen
- Automatic and manual brightness control

Memory

- RAM DDR3L 1(2) GB
- SSD Soldered with 8 or 16 GB

Extension slots

- SDHC slot, up to 64 GB

I/O interfaces

- USB 2.0 OTG
- CAN 2.0 (with docking station)
- MIC IN (with docking station)
- LINE OUT (with docking station)
- Gigabit Ethernet

Communication interfaces

- Wi-fi 802.11 b/g
- Bluetooth
- GSM 900/1800, LTE (optional)
- 2 x SIM-cards
- NFC (optional)

Global positioning systems

- GLONASS/GPS (simultaneous operation of both systems)

Power

- Input voltage: 5-16 V, with docking station: 9 to 36 V (18-72 V)
- Possibility to connect external battery
- Standalone operation time: no less than 4 hours

OS compatibility

- Linux
- Android 4.x

Operating conditions

- Operating temperature range: -20 to +60° (-30°C, optional)
- Rugged version: rubber-coated body, shock-resistant display
- Resistant to multiple and single shocks: 10 g.
- Resistant to drops onto each edge, face and corner from 1 m height.

Dust-proof and damp-proof version

- Enclosure protection class: IP65

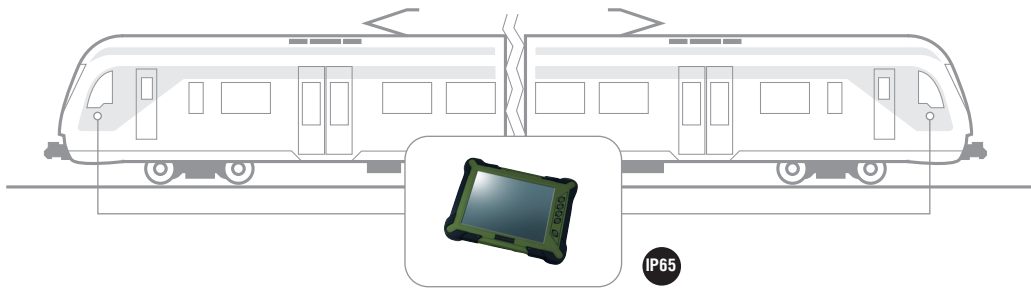
Weight:

- No more than 1,5 kg

Tablet PC PKM01

Rugged Tablet Computer for the Railway application

Application



Ordering Information

PKM-01 Configuration

Versions

Device Type:

PKM01-01	Freescale i.MX6 1GHz (2 cores), RAM 1GB
PKM01-02	Freescale i.MX6 1GHz (2 cores), RAM 2GB

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