

Tablet PC ONYX08

Rugged Tablet Computer for the Railway application



Features

- Freescale iMX6 applications processor 1 GHz (4 cores)
- RAM DDR3L 1(2) GB or SSD soldered 8 GB (16/32 GB as customized option)
- 1×SDHC slot up to 64 GB
- USB 2.0 OTG
- 2×SIM-cards
- Display 8.4" with 800x600 resolution; screen brightness: 400 CD/M², shock resistant and antiglare touch-screen
- Operating temperature range: -30 to +50°C
- Docking station availability
- Global positioning systems (integrated active GLONASS/GPS aerial)
- Modifications according to Customer's requirements
- Possibility to install video camera

Overview

ONYX08 is designed for use as a mobile or onboard tablet PC operating at the extended temperature range from -30 to +50 °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 1GHz processor (4 cores)

Display

- Display size: 8,4"
- Resolution: 800x600
- Screen brightness: 400 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 16/32 GB as customized option)

Extension slots

- SDHC slot, up to 64 GB

I/O interfaces

- USB 2.0 OTG
- Audio
- CAN 2.0 (with docking station)
- RS-232
- Gigabit Ethernet

Communication interfaces

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

Global positioning systems

- GLONASS/GPS

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

- Android

Operating conditions

- Operating temperature range: -30 to +50°
- 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

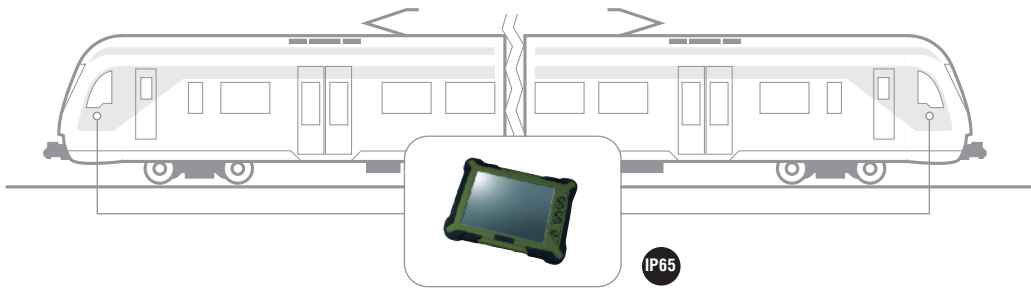
- No more than 1,5 kg



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Application



Ordering Information

ONYX08 Configuration

Versions

Device Type:

ONYX08-01	Freescall i.MX6 1GHz (4 cores), RAM 1GB
ONYX08-02	Freescall i.MX6 1GHz (4 cores), RAM 2GB

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READY FOR



RoHS

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Product specifications are subject to change without notice



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