



Overview

MK308 is a basic PC platform for modules in PC/104+ form-factor. The Box PC enables conductive heat transfer to the enclosure and makes it possible to install additional extension modules.

The basic hardware configuration contains:

- CPC308-03 (Intel Atom D510-based Processor Module)
- CNM350 Communication and Navigation Module
- NIM351 Interface Module
- NIM353 WiFi Module
- PS351 Power Supply Module

The Box PC has the following operating temperature range: -40°C to +70°C.

MK308 – Rugged Box PC from Fastwel is fully configurable and can be customized according to the specific demands of your application.

Features

- Compact Flash: 16 GB
- 2×LAN 10/100/1000 Mb/s, 3×USB 2.0, VGA, 1×RS-232 and 4×RS485/422 serial ports, 2×CAN, PS/2, 4×GPIO, GLONASS/GPS aerial input, GSM aerial input, WiFi aerial input
- Operating temperature range: -40°C to +70°C
- OS: FreeDOS, Windows XPe, Linux 2.6, QNX v.6.5
- Vibration/single shocks/multiple shocks resistance: 5g/100g/50g
- IP65
- Installation of up to 7 PC/104+ modules

Technical Specifications

System

- Compact Flash: 16GB

Supported OS

- FreeDOS
- Windows XPe
- Linux 2.6
- QNX v.6.5

Interfaces

- 2×LAN 10/100/1000 Mb/s
- 3×USB 2.0
- VGA
- 1×RS-232
- 4×RS-485/422
- 2×CAN
- PS/2
- 4×GPIO
- GLONASS/GPS aerial input
- GSM aerial input
- WiFi aerial input

Mechanical

- Resistance to vibration: 5g
- Resistance to single shocks: 100g
- Resistance to multiple shocks: 50g

Power

- 11-36 V
- Total power supply capacity: 50 W

Environmental

- Operating temperature range: -40°C to +70°C
- Lower temperature limit: -60°C
- Upper temperature limit: +85°C

Dust-proof and damp-proof version

- Protection class: IP65



Ordering Information

MK308 Configuration

MK308 - 01

Versions

MK308-01 Rugged Box PC, 2×LAN 10/100/1000 Mb/s, 3×USB 2.0, VGA, 1×RS-232 and 4×RS-485/422 serial ports, 2×CAN, PS/2, 4×GPIO, GLONASS/GPS aerial input, GSM aerial input, WiFi aerial input, 11-36 V

Delivery checklist:

1. MK308 Box PC
2. Set of connectors
3. Package

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Additional accessories:

ACS20058 – GSM/GPS/GLONASS aerial

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Ver.1.03.2014

Product specifications are subject to change without notice



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