

MK905 BOX PC



Overview

MK905 Box PC is designed on the basis of CPB905 Module and PS351 Power Supply Module.

The PC does not use the forced cooling and contains no moving parts.

The structure makes it possible to install two PC/104+ extension modules.

Features

- CPU: AMD GEODE LX 800 (500 MHz)
- RAM: 256 MB
- Connector for Compact Flash (1, 2 type)
- Integrated Flash-drive: 1 GB
- VGA interface for the connection of RGB monitor with resolution up to 1600×1200 (85 GHz) and 1920×1440 (75 GHz; 32 bit)
- 2×Ethernet 10/100 Mb
- Port for LCD and touch array or 12 (TTL) digital I/O lines
- 4×USB 2.0, 2×RS-232*, 4×RS-232/422/485*
- OS compatibility: FreeDOS; Windows XPe; Linux 2.6; QNX 4.25; QNX 6.5
- Operating temperature range: from -40°C to + 70°C

Technical Specifications

System

- CPU: AMD GEODE LX 800 (500 MHz)
- RAM: 256 MB
- Connector for Compact Flash (1, 2 type)
- Integrated Flash Drive: 1GB

Interfaces

- VGA interfaces: for connection of RGB monitor with resolution up to 1600×1200 (85 GHz) and 1920×1440 (75 Hz, 32 bit)
- 2×Ethernet channels 10/100 Mb
- Port for LCD and touch array or 12 (TTL) digital I/O lines
- 4×USB 2.0
- 2×RS-232*:
 - up to 115,2 Kb/s.
- 4×RS-232/422/485*:
 - Galvanic isolation 500 V (RS-422/485);
 - Speed up to 921 Kb/s (RS-422/485).
- Audio linear stereo I/O
- MIC input
- Port for PS/2 keyboard and mouse
- Port for FASTWEL I/O modules
- Can be mounted onto the panel

Power supply voltage range

- 12 W (without extension modules and CompactFlash modules)

Enclosure protection

- IP20

MTBF

- 68 000 hours

Operating temperature range

- From -40°C to +70°C

Relative humidity

- From 0% to 80%, without condensation

Single shock resistance

- 100g (IEC 68-2-27-87)

Multiple shock resistance

- 50g (IEC 68-2-27-87)

Weight

- No more than 1.3 kg

Dimensions

- 171×129×90 (without dimensions of brackets used for mounting MK905 to DIN rail or panel)

*Interfaces depending on the version.



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Ordering Information

MK905 Configuration

MK905 - 01

Versions

- MK905-01 4× individually isolated serial ports RS-485/422 with data transfer speed up to 921 Kb/s; 256 MB DDR RAM/ 1GB NAND Flash/ Compact Flash/ FPGA/ FBUS/DigitalIO/ 2×Ethernet/ 4×USB 2.0/ 1×RS-232/ 4×RS-422/485
- MK905-02 4× serial ports RS-232 with data transfer speed up to 230 Kb/s; 256 MB DDR RAM/ 1GB NAND Flash/ Compact Flash/ FPGA/ FBUS/ Digital IO/ 2×Ethernet/ 4×USB 2.0/ 5×RS-232
- MK905-03 4× individually isolated serial ports RS-485/422 with data transfer speed up to 921 Kb/s; 256 MB DDR RAM/ 1 GB NAND Flash/ Compact Flash/ FPGA/ FBUS/DigitalIO/ 2×Ethernet/ 4×USB 2.0/ 2×RS-232/ 4×RS-422/485

Delivery checklist

MK905 delivery checklist contains:

1. MK905 Box PC
2. Installation kit
3. Package

Corporate Offices

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Product specifications are subject to change without notice



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READY FOR



RoHS



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