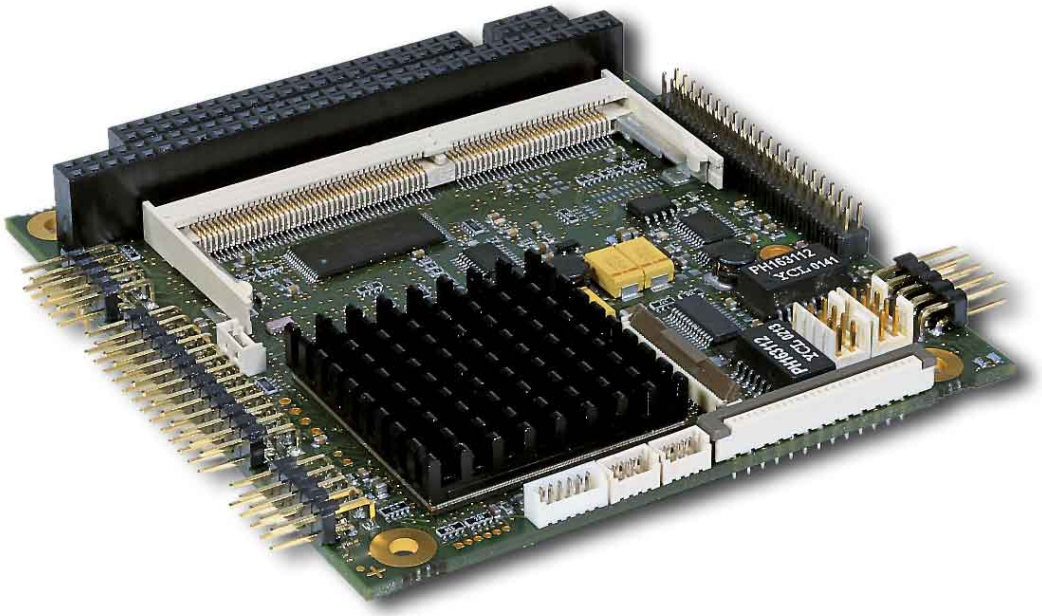
MOPS*lcdGX1*



- Embedded fanless 300 MHz processor
- DUAL LAN and CompactFlash
- Graphics already on-chip

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Product Overview

The **MOPS**lcdGX1 fits perfectly within the MOPS-PC/104-family. It is a new PC/104 with the new Geode™ GX1 running at FANLESS 300MHz. Graphic is already on chip.
New applications can be run due to the onboard CompactFlash™ socket and Dual 10/100 MBit Ethernet.
Further standard features of the **MOPS**lcdGX1 are 2xUSB, 2xCOM, and PS/2-mouse.
With the standard JILI-Interface 18-Bit TFT-displays can easily be attached. There are already various off-the-shelf panel-solutions available.
The **MOPS**lcdGX1 comes as an embedded communication device with DUAL 10/100 MBit Ethernet. This board is recommended for industrial visualisation- and communication-tasks.
Together with the firmly lockable chipDISK (32 to 256 MByte IDE-Flash) or with CompactFlash™ cards a highly reliable PC-system in small PC/104 format emerges - suited even for rough & rugged industrial applications.
All MOPS PC/104 provide the same pinout for keyboard, COM1 and COM2, 44pin IDE, LPT as well as 1st LAN. This is the common MOPS-family feature, which easens the upgradeability enormously within the Kontron PC/104-products.

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Technical Data

- **PC/104 industrial standard**
- **CPU:** Geode™ GX1, fanless 300 MHz and on-chip graphics on CS5530 companion chip
- **DRAM:** SDRAM - SODIMM socket up to 256 MByte
- **IDE Flash:** with chipDISK extendable up to 256 MByte
- **CompactFlash Socket:** Type I
- **10/100 BaseT LAN** 2x
- **IDE harddisk interface** ✓
- **RS232C** 2x
- **USB** 2x
- **LAN boot** ✓
- **Floppy Disk interface** ✓
- **Printer interface** ✓
- **Keyboard interface** ✓
- **PS/2 interface** ✓
- **Watchdog** ✓
- **Real Time Clock** ✓
- **Dimensions:** 96 x 90 mm (3.8x3.6“)
- **Power Consumption:** 5V only, 1.2A
- **Plug compatible to other MOPS PC/104 and therefore exchangeable**
- **Temperature:** operation: 0° to 60°C
  storage: -10° to 85°C
- **Humidity:** operation: 10% to 90%
  storage: 5% to 95%
  (non condensing)

Article	Part.-No.	Description
MOPSlcdGX1	01028-0000-30-2	Geode GX1, 300MHz, one SODIMM-SDRAM-socket, 2xRS232C, LPT, FDC, IDE, PS/2 mouse, 2xUSB, JILI (LVDS) Interface and DUAL 10/100 Base-T Ethernet.

Article	Part.-No.	Article	Part.-No.
chipDISK	Optional	JRC1	96047-0000-00-0
KAB-MOPS-SET2	96002-0000-00-0	CONV-RS485G	96014-0000-00-0
KAB-KB-1	96023-0000-00-0	KAB-FLOPPY-MOPS-1	96019-0000-00-0
KAB-DSUB25-1	96015-0000-00-0	KAB-IDE-25	96020-0000-00-0
KAB-DSUB9-2	96017-0000-00-0	KAB-IDE-2MM	96021-0000-00-0
ADA-FLOPPY-2	96001-0000-00-0		

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