

# ➤ MOPSlcdSE

# ➤ MOPS/SE



- Fastest **full synchronous mode** 100 MHz CPU @ 100 MHz FSB, faster than 133/66
- Fanless - no moving parts
- Real low power embedded PC/104 with STPC Elite
- Onboard Graphics and Communication

# Product Overview

The MOPSlcdSE runs with the STPC Elite with 100 MHz - fanless - no moving parts. With 100/100 faster than 133/100 - full synchronous mode!

A highly integrated chipset features up to 32 MByte SDRAM SOLDERED (Graphics version) - that means no moving parts and enhanced system reliability. The graphics engine is the SMI LynxEM+ with dedicated 2MB VRAM for CRT & LCD.

A special feature is the JIPA2-Interface for instant Panel adaption. A watchdog timer and a realtime clock are standard features. The board comes complete with 2 x USB, 2 x COM, LPT, FDD, EIDE, Keyboard and PS/2-mouse connectors.

Due to the used SMI graphics controller especially futureproof and therefore securing already done investments into the application.

A non graphic version is offered as the standard product MOPS/SE - with 16 MB soldered SDRAM onboard.

All MOPS PC/104 boards are Plug&Work compatible, which considerably reduces the time to market.

All MOPS PC/104 provide the same pinout for keyboard, COM1 and COM2, 44pin IDE, 2xUSB, LPT as well as LAN. This is the common MOPS-family feature, which eases the upgradeability enormously within the Kontron MOPS PC/104-products.

With Kontron You stay ...always a Jump ahead!

# Technical Data

- **Full PC/104 compliant Industry Standard**
- **CPU:** STPC Elite 100 MHz @ 100 MHz FSB
- **SDRAM:**
  - soldered with 32 MB (graphic version)
  - soldered with 16 MB (non graphic version)
- **Graphic:** SMI LynxEM+ with 2 MB dedicated VRAM (option), JIPA2 Interface
- **Panel / CRT** ✓ / ✓
- **10/100 BaseT Ethernet** ✓
- **USB** 2x
- **EIDE interface** ✓
- **Floppy Interface** ✓
- **Printer Interface** ✓
- **Keyboard/Mouse Controller** ✓ / ✓
- **RS232C** 2x
- **LANBoot** ✓
- **DarkBoot** ✓
- **Watchdog** ✓
- **Real Time Clock** ✓
- **Dimensions:** 96x90 mm (3.8 x 3.6")
- **Power supply:** 5V only
- **Compatible to all other MOPS and therefore exchangeable**
- **Temperature:**
  - Operation: 0° to 60° C
  - Storage: -10° to 85°C
- **Max. humidity:**
  - Operation: 10% to 90%
  - Storage: 5% to 95% (non condensing)

Article	Part.-No.	Description
MOPSlcdSE	01031-3200-13-1	Low Power STPC ELITE 100 MHz, SMI Lynx 2 MB VRAM, soldered 32 MByte SDRAM, 2xRS232C, 2xUSB, LPT, FDC, IDE, JIPA panel interface and with 10/100MBit Ethernet
MOPS/SE	01031-1600-13-1	Low Power STPC ELITE 100 MHz, soldered SDRAM 16 MByte, 2xRS232C, 2xUSB, LPT, FDC, IDE and with 10/100MBit Ethernet

## Corporate Offices

US/ Canada  
6260 Sequence Drive  
San Diego, CA 92121-4371

Tel.: +1 (0) 888 677-0877  
Fax: +1 (0) 858 677-0898

sales@us.kontron.com

Europe, Middle East & Africa  
Brunnwiesenstr. 16  
94469 Deggendorf - Germany

Tel.: +49 (0) 991 37024 487  
Fax: +49 (0) 991 37024 102

sales-kem@kontron.com

Asia Pacific  
5F-1, 341, Sec 4, Chung Hsiao E.  
Rd, Taipei, Taiwan

Tel: +886 2 2781 5791  
Fax: +886 2 2741 7379

sales@kontron-asia.com

Kontron Embedded Modules GmbH  
Brunnwiesenstr. 16  
DE-94469 Deggendorf  
0800-saleskontron  
(0800-7253756)

