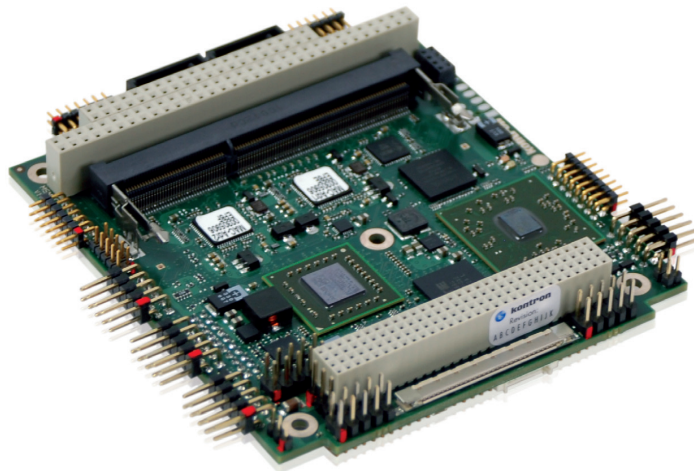


# » MICROSPACE® MSM-e0/-N «



MICROSPACE®

## PC/104-Plus™ SBC with the new AMD embedded G-Series processor

- » Most powerful graphics for long-term available PC/104-Plus™ designs
- » For extremely compact multimedia applications
- » Up to 4GB DDR3 SODIMM RAM, integrated ATI Radeon graphics,  
3D performance: 10x D510 (3DMark06)

## MICROSPACE® MSM-eO/-N

PC/104-Plus™ SBC w. new AMD embedded G-Series processor

## Technical Information

|                              | MSM-eO                                                                                                                | MSM-eO-N                                                                                                              |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>Processor/Performance</b> | AMD embedded T44R 1.2GHz Single Core                                                                                  | AMD embedded T24L 1.0GHz Single Core                                                                                  |
| <b>Chipset</b>               | AMD FCH A55E                                                                                                          | AMD FCH A55E                                                                                                          |
| <b>Bus</b>                   | PC/104-PCI 32 bit 33MHz 4 Slots, PC/104-ISA 16 bit                                                                    | PC/104-PCI 32 bit 33MHz 4 Slots, PC/104-ISA 16 bit                                                                    |
| <b>Memory</b>                | Up to 4GB LVDDR3-1066, 1x SODIMM                                                                                      | Up to 4GB LVDDR3-1066, 1x SODIMM                                                                                      |
| <b>Graphics</b>              | AMD Radeon™ HD 6250                                                                                                   | -                                                                                                                     |
| <b>Video Memory</b>          | Up to 384 MB shared video memory                                                                                      | -                                                                                                                     |
| <b>LCD Interface</b>         | Up to 1920x1200 24bpp                                                                                                 | -                                                                                                                     |
| <b>CRT Interface</b>         | Up to 1920x1200 30bpp                                                                                                 | -                                                                                                                     |
| <b>DDI</b>                   | Display port, DVI, HDMI                                                                                               | -                                                                                                                     |
| <b>Sound</b>                 | HD Audio line-out, mic-in, SPDIF out/in                                                                               | -                                                                                                                     |
| <b>SATA HDD-Interface</b>    | 2x SATA 150/300/600 with RAID 0,1 support                                                                             | 2x SATA 150/300/600 with RAID 0,1 support                                                                             |
| <b>COM1/2 / COM2/3</b>       | 2x RS232/2x UART                                                                                                      | 2x RS232/2x UART                                                                                                      |
| <b>USB</b>                   | 4x USB 2.0                                                                                                            | 4x USB 2.0                                                                                                            |
| <b>Ethernet</b>              | 2x Gbit LAN                                                                                                           | 1x Gbit LAN                                                                                                           |
| <b>Available I/Os</b>        | LPC, SPI                                                                                                              | LPC, SPI                                                                                                              |
| <b>Temperature</b>           | 0°C to + 60°C                                                                                                         | 0°C to + 60°C                                                                                                         |
| <b>Dimensions</b>            | 90 x 102 mm                                                                                                           | 90 x 102 mm                                                                                                           |
| <b>Special Features</b>      | 8x GPIO 4x A/D 2x D/A PWM, Boot from LAN, Watchdog, bootable micro SD card slot, ECO Mode (minimal power consumption) | 8x GPIO 4x A/D 2x D/A PWM, Boot from LAN, Watchdog, bootable micro SD card slot, ECO Mode (minimal power consumption) |

## Ordering Information

| Article                                            | Part No. | Description                                                                                    |
|----------------------------------------------------|----------|------------------------------------------------------------------------------------------------|
| <b>MSM-eO</b>                                      | 802400   | PC/104™ SBC CPU T44R with (graphic, sound, press-fit connector options: PCI, ISA), 2x Gbit LAN |
| <b>MSM-eO-N</b>                                    | 802410   | PC/104™ SBC CPU T24L, 1x Gbit LAN                                                              |
| <b>1GB RAM DDR3 SODIMM</b>                         | 890680   | 1GB                                                                                            |
| <b>2GB RAM DDR3 SODIMM</b>                         | 890681   | 2GB                                                                                            |
| <b>4GB RAM DDR3 SODIMM</b>                         | 890682   | 4GB                                                                                            |
| <b>PC/104 PCI connector</b>                        | 802313   | Option PC/104 PCI press-fit connector                                                          |
| <b>MSM-eO Heat Spreader Kit</b>                    | 802408   | Heat spreader, screw set included                                                              |
| <b>MSM-PC104 Passive Cooler Kit</b>                | 802314   | Heat sink without fan including assembly material                                              |
| <b>MSM-PC104 Active Cooler Kit</b>                 | 802316   | Heat sink with fan including assembly material                                                 |
| <b>MSM-PC104 CK</b>                                | 802040   | Line-In/Out or Mic-In, S/PDIF, 1Gb Ethernet (Interfaces), USB, VGA, COM single, SATA           |
| <b>Option Micro SD Flash, 4GB, Tiny Core Linux</b> | 872150   | 4GB                                                                                            |
| <b>MSM-eO Evalkit</b>                              | 802409   | MSM-eO Evalkit                                                                                 |

## CORPORATE OFFICES

## Europe, Middle East &amp; Africa

Lise-Meitner-Str. 3-5  
86156 Augsburg  
Germany  
Tel.: +49 (0) 821 4086-0  
Fax: +49 (0) 821 4086 111  
sales@kontron.com

## North America

14118 Stowe Drive  
Poway, CA 92064-7147  
USA  
Tel.: +1 888 294 4558  
Fax: +1 858 677 0898  
info@us.kontron.com

## Asia Pacific

17 Building,Block #1, ABP.  
188 Southern West 4th Ring Road  
Beijing 100070, P.R.China  
Tel.: +86 10 63751188  
Fax: +86 10 83682438  
info@kontron.cn