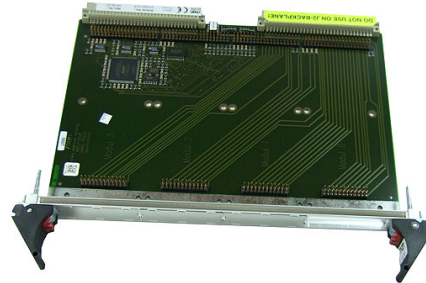


# A201S

## M-Module Carrier Board for 4 Mezzanine Cards 6U VMEbus

- » 4 M-Module slots
- » 1 VMEbus slot
- » VMEbus slave A16/A24/D16, interrupter
- » -40 to +85°C screened versions



The A201S is an M-Module carrier board for universal I/O on the VMEbus, allowing high flexibility in applications such as process and motion control, measuring and instrumentation, communication or special-purpose tasks.

The M-Modules are screwed tightly on the carrier board, but the board needs only one slot on the VMEbus. Please note that since all three rows of the P2 connector are used for user I/O, board models with this connector are not compatible with VME64 backplanes. An interrupt controller handles the M-Modules individually. In VMEbus D16 systems the I/O signals of the M-Modules can be accessed from P2/I2 inside the rack.

<b>Mezzanine Slots</b>	<ul style="list-style-type: none"> <li>■ Four M-Module slots</li> <li>■ Compliant with M-Module standard</li> <li>■ Characteristics: D08, D16, A08, INTA, INTC</li> </ul>
<b>Interrupt Controller</b>	<ul style="list-style-type: none"> <li>■ Interrupt handling individually for each M-Module</li> <li>■ Functional compatibility with A201N</li> </ul>
<b>Peripheral Connections</b>	<ul style="list-style-type: none"> <li>■ Via front panel</li> <li>■ Via 96-pin P2 connector (rear I/O)</li> </ul>
<b>VMEbus</b>	<ul style="list-style-type: none"> <li>■ Only one slot required on the VMEbus</li> <li>■ Models with P2 connector not compatible with VME64 backplanes (row B of the P2 connector is used for user I/O)</li> <li>■ Slave D08(EO):D16:A16:A24</li> <li>■ Interrupter D08(O)</li> </ul>
<b>Electrical Specifications</b>	<ul style="list-style-type: none"> <li>■ Supply voltage/power consumption: +5V (-3%/+5%), 320mA typ. (without M-Modules)</li> </ul>
<b>Mechanical Specifications</b>	<ul style="list-style-type: none"> <li>■ Dimensions: standard double Eurocard, 233.3mm x 160mm</li> <li>■ Front panel: aluminum with 2 handles, cut-outs for front connectors of 4 M-Modules</li> <li>■ Weight: 220g</li> </ul>
<b>Environmental Specifications</b>	<ul style="list-style-type: none"> <li>■ Temperature range (operation): <ul style="list-style-type: none"> <li>□ 0..+60°C or -40..+85°C</li> <li>□ Airflow: min. 10m³/h</li> </ul> </li> <li>■ Temperature range (storage): -40..+85°C</li> <li>■ Relative humidity range (operation): max. 95% without condensation</li> <li>■ Relative humidity range (storage): max. 95% without condensation</li> <li>■ Altitude: -300m to + 3,000m</li> <li>■ Shock: 15g/11ms</li> <li>■ Bump: 10g/16ms</li> <li>■ Vibration (sinusoidal): 2g/10..150Hz</li> <li>■ Conformal coating on request</li> </ul>
<b>MTBF</b>	<ul style="list-style-type: none"> <li>■ 430,000h @ 50°C (derived from MIL-HDBK-217F)</li> </ul>
<b>Safety</b>	<ul style="list-style-type: none"> <li>■ PCB manufactured with a flammability rating of 94V-0 by UL recognized manufacturers</li> </ul>
<b>EMC</b>	<ul style="list-style-type: none"> <li>■ Tested according to EN 55022 (radio disturbance), IEC 61000-4-2 (ESD) and IEC 61000-4-4 (burst)</li> </ul>
<b>Software Support</b>	<ul style="list-style-type: none"> <li>■ M-Module drivers for Windows, VxWorks, Linux, QNX, OS-9 as supported</li> <li>■ <b>Basic board driver included in MDIS system package for the respective operating system</b></li> </ul>

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### **Up-to-date information, documentation and ordering information:**

[www.men.de/products/a201s/](http://www.men.de/products/a201s/)

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