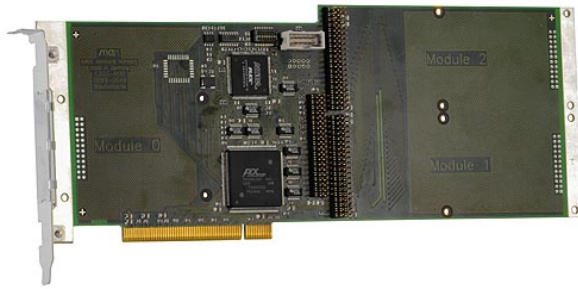


C203 - PCI M-Module™ Carrier Board



- 3 M-Module™ slots
- PCI long card

The C203 is an M-Module™ carrier board for universal peripheral I/O applications on a desktop PC with PCI interface. The M-Modules™ plugged on the C203 are screwed tightly on the carrier board.
The long-card C203 can carry three M-Modules™.

Technical Data

PCI Bus

- Slots required on the PCI bus:
 - C203: one long-card slot
 - C204: one short-card slot
- PCI 9050 controller
 - Target on PCI bus
 - Max. clock frequency 33MHz
 - Power supply 5V
- Compliance with PCI Specification 2.1
- 32-bit PCI data bus

M-Modules™

- Number of M-Modules™ on one board:
 - C203: up to three M-Modules™
 - C204: one M-Module™
- One pass-thru window per M-Module™
- Characteristics: D08, D16, D32, A08, A24, INTA, TRIGI, TRIGO

Peripheral Connections

- Via PC slot
- Via additional PC slot connection cables (C203)

Electrical Specifications

- Supply voltage/power consumption: +5V (4.85V..5.25V), 200mA typ.
- MTBF: 52,000h @ 50°C (derived from MIL-HDBK-217F)

Mechanical Specifications

- Dimensions:
 - C203: 296mm by 115.6mm
 - C204: 155mm by 106.9mm
- Weight:
 - C203: 144g
 - C204: 100g

Environmental Specifications

- Temperature range (operation):
 - 0..+60°C
 - Industrial temperature range on request
 - Airflow: min. 10m³/h
- Temperature range (storage): -40..+85°C
- Relative humidity (operation): max. 95% non-condensing
- Relative humidity (storage): max. 95% non-condensing
- Altitude: -300m to + 3,000m
- Shock: 15g/11ms
- Bump: 10g/16ms
- Vibration (sinusoidal): 2g/10..150Hz
- Conformal coating on request

Safety

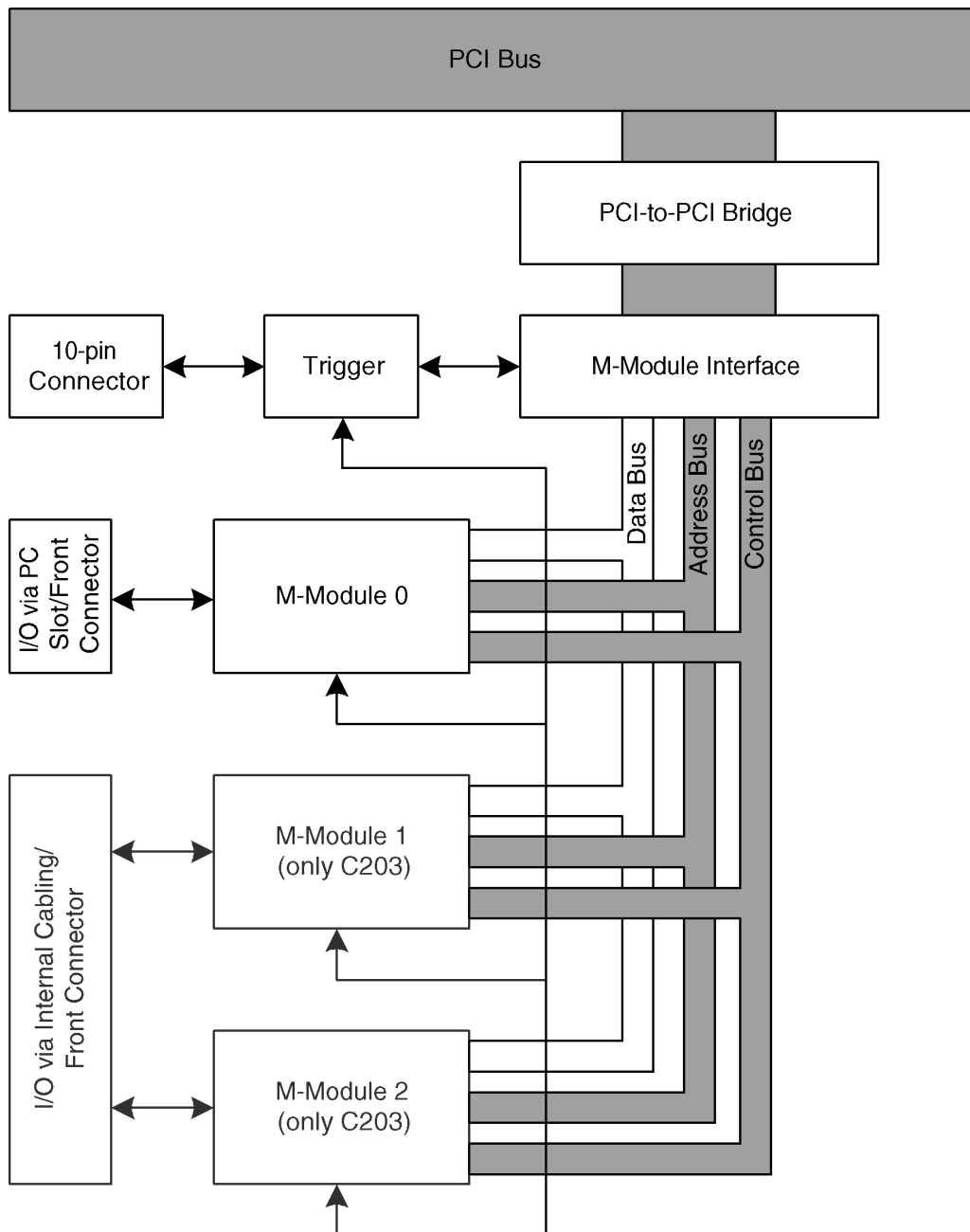
- PCB manufactured with a flammability rating of 94V-0 by UL recognized manufacturers

EMC

- Tested according to EN 55022 (radio disturbance), IEC1000-4-2 (ESD) and IEC1000-4-4 (burst)

Software Support

- M-Module™ drivers for Windows®, VxWorks®, Linux, QNX®, OS-9® as supported

Diagram

Ordering Information

Standard Hardware

03C203-00 C203, PCI M-Module carrier board for 3 M-Modules, long slot version

Miscellaneous

05M000-17 25 mounting screw sets to fix M-Modules on carrier boards

Documentation

20C203-00 C203/C204 User Manual

For the most up-to-date ordering information and direct links to other data sheets and downloads, see the C203 online data sheet under » www.men.de.

Germany

MEN Mikro Elektronik GmbH
Neuwieder Straße 5-7
90411 Nuremberg
Phone +49-911-99 33 5-0
Fax +49-911-99 33 5-901
E-mail info@men.de
www.men.de

France

MEN Mikro Elektronik SA
18, rue René Cassin
ZA de la Châtelaine
74240 Gaillard
Phone +33 (0) 450-955-312
Fax +33 (0) 450-955-211
E-mail info@men-france.fr
www.men-france.fr

USA

MEN Micro, Inc.
24 North Main Street
Ambler, PA 19002
Phone (215) 542-9575
Fax (215) 542-9577
E-mail sales@menmicro.com
www.menmicro.com

The date of issue stated in this data sheet refers to the Technical Data only. Changes in ordering information given herein do not affect the date of issue.

All brand or product names are trademarks or registered trademarks of their respective holders.

Information in this document has been carefully checked and is believed to be accurate as of the date of publication; however, no responsibility is assumed for inaccuracies. MEN Mikro Elektronik accepts no liability for consequential or incidental damages arising from the use of its products and reserves the right to make changes on the products herein without notice to improve reliability, function or design. MEN Mikro Elektronik does not assume any liability arising out of the application or use of the products described in this document.

The products of MEN Mikro Elektronik are not suited for use in nuclear reactors or for application in medical appliances used for therapeutical purposes.

Application of MEN's products in such plants is only possible after the user has precisely specified the operation environment and after MEN Mikro Elektronik has consequently adapted and released the product.

Copyright © 2009 MEN Mikro Elektronik GmbH. All rights reserved.