# C204 – PCI M-Module™ Carrier Board

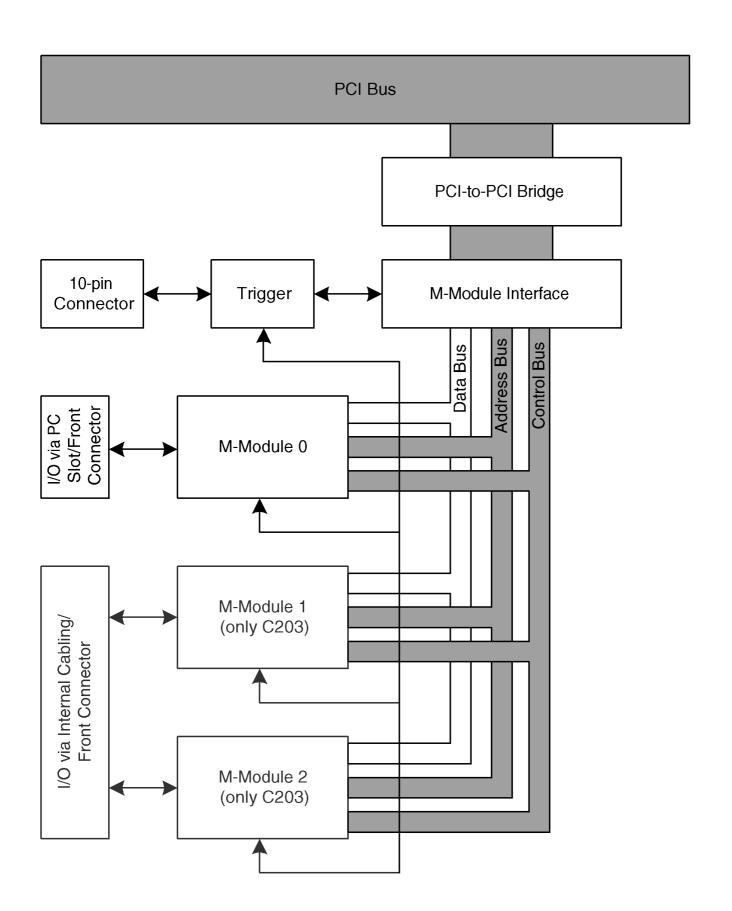
- 1 M-Module™ slot
- PCI short card



The C204 is an M-Module<sup>™</sup> carrier board for universal peripheral I/O applications on a desktop PC with PCI interface. The M-Module<sup>™</sup> plugged on the C204 is screwed tightly on the carrier board. The short-card C204 can carry one M-Module<sup>™</sup>.



### Diagram



## **Technical Data**

PCI Bus	<ul> <li>Slots required on the PCI bus:</li> <li>C203: one long-card slot</li> <li>C204: one short-card slot</li> <li>PCI 9050 controller</li> <li>Target on PCI bus</li> <li>Max. clock frequency 33MHz</li> <li>Power supply 5V</li> <li>Compliance with PCI Specification 2.1</li> <li>32-bit PCI data bus</li> </ul>	
M-Modules™	<ul> <li>Number of M-Modules<sup>™</sup> on one board:</li> <li>C203: up to three M-Modules<sup>™</sup></li> <li>C204: one M-Module<sup>™</sup></li> <li>One pass-thru window per M-Module<sup>™</sup></li> <li>Characteristics: D08, D16, D32, A08, A24, INTA, TRIGI, TRIGO</li> </ul>	
Peripheral Connections	<ul><li>Via PC slot</li><li>Via additional PC slot connection cables (C203)</li></ul>	
Electrical Specifications	<ul> <li>Supply voltage/power consumption: +5V (4.85V5.25V), 200mA typ.</li> <li>MTBF: 52,000h @ 50°C (derived from MIL-HDBK-217F)</li> </ul>	
Mechanical Specifications	<ul> <li>Dimensions:</li> <li>C203: 296mm by 115.6mm</li> <li>C204: 155mm by 106.9mm</li> <li>Weight:</li> <li>C203: 144g</li> <li>C204: 100g</li> </ul>	
Environmental Specifications	<ul> <li>Temperature range (operation):</li> <li>0+60°C</li> <li>Industrial temperature range on request</li> <li>Airflow: min. 10m<sup>3</sup>/h</li> <li>Temperature range (storage): -40+85°C</li> <li>Relative humidity (operation): max. 95% non-condensing</li> <li>Relative humidity (storage): max. 95% non-condensing</li> <li>Altitude: -300m to + 3,000m</li> <li>Shock: 15g/11ms</li> <li>Bump: 10g/16ms</li> <li>Vibration (sinusoidal): 2g/10150Hz</li> <li>Conformal coating on request</li> </ul>	
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	<ul> <li>M-Module™ drivers for Windows®, VxWorks®, Linux, QNX®, OS-9® as supported</li> <li>Basic board driver included in MDIS™ system package for the respective operating system</li> </ul>	

## **Ordering Information**

Standard C204 Models	03C204-00	C204, PCI M-Module <sup>™</sup> carrier board for one M-Module <sup>™</sup>		
Miscellaneous Accessories	05M000-17	25 mounting screw sets to fix M-Modules <sup>™</sup> on carrier boards		
Software: Miscellaneous	Driver software for Windows <sup>®</sup> , Linux, VxWorks <sup>®</sup> , QNX <sup>®</sup> , RTX and OS-9 <sup>®</sup> is available for the different M-Modules <sup>™</sup> . Please refer to the M-Module <sup>™</sup> /s of your choice for information and download. A basic board driver for this carrier card is included in the MDIS <sup>™</sup> system package for the respective operating system. You can find an overview of available packages for download under www.men.de/mdis.			
For operating systems not mentioned here contact MEN sales.				
Documentation	20C203-00	C203/C204 User Manual		

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