



p . o . f . i . v . e

module solutions

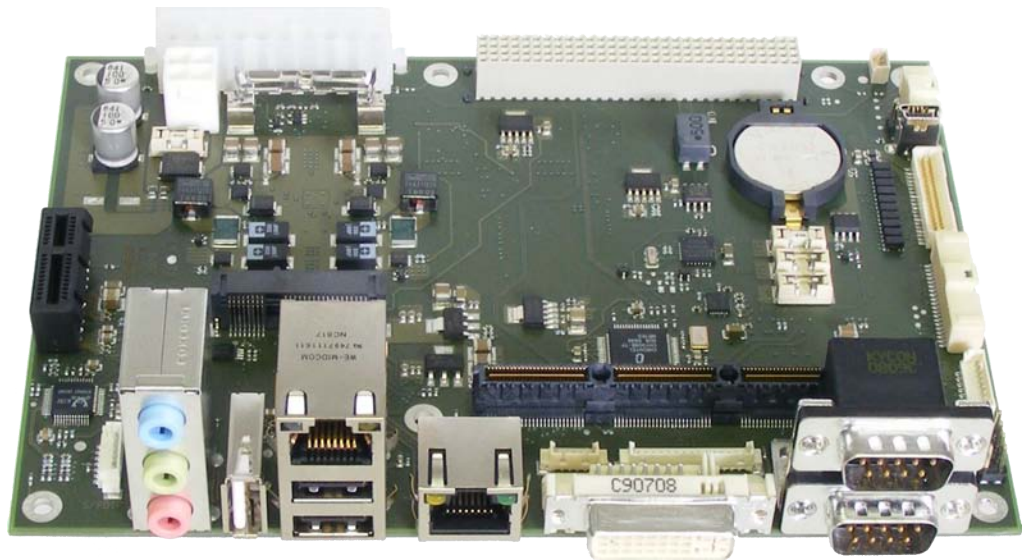
APPLICATIONS

The M2BBX was designed as the ideal testing and evaluation platform for the M2 CPU PCI/104-Express™ board.

The M2BBX combined with a M2 CPU board finds its field of work in desktop and mobile devices.

- Rugged Industrial Systems
- Medical Solutions
- Automatic Control Panels
- Information Systems
- Measurement & Quality Control
- Public Terminal

M2BBX Base Board



- ▶ Supports M2 CPU boards which are powered by the latest Intel® Atom™ technology
- ▶ Meets ATX specification 2.1 and EPIC form factor
- ▶ One x1 PCI Express® slot
- ▶ Two RS-232 ports, one RS-422 port, up to two Gigabit Ethernet ports, up to three host and one client USB 2.0 port
- ▶ One DVI-D port and sound interface
- ▶ 24-bit dual channel LVDS, backlight power and control via internal headers
- ▶ Two PCI Express® Mini Card sockets with PCI Express™ and USB 2.0 interface
- ▶ ATX power supply connector
- ▶ Works with standard components according to PCI/104-Express™ specification
- ▶ The PROFIVE® M2BBX is ready for various operating systems
- ▶ Design, Production and Support “Made in Germany”

E.E.P.D. Electronic Equipment Produktion & Distribution GmbH
Gewerbering 3 • 85258 Weichs - Germany
Telefon +49 8136 2282-0 • Telefax +49 8136 2282-109
Internet: www.eepd.de Email: sales@eepd.de

E.E.P.D. 
‘Tomorrow’s Technology Today’



p . o . f . i . v . e

specifications

The information contained in this document has been carefully checked and is believed to be reliable. However, E.E.P.D. GmbH makes no guarantee or warranty concerning the accuracy of said information and shall not be responsible for any loss or damage of what ever nature resulting from the use of, or reliance upon, it. E.E.P.D. does not guarantee that the use of any information contained herein will not infringe upon the patent, trademark, copyright or other rights of third parties, and no patent or other license is implied hereby.

Intel and Intel logo are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries.

This document does not in any way extend E.E.P.D.'s warranty on any product beyond that set forth in its standard terms and conditions of sale. E.E.P.D. reserves the right to make changes in the products or specifications, or both, presented in this publication at any time and without notice.

LIFE SUPPORT APPLICATIONS

E.E.P.D.'s products are not intended for use as critical components in life support appliances, devices or systems in which the failure of a E.E.P.D. product to perform could be expected to result in personal injury.

All mentioned trademarks are registered trademarks of their owner.

© 2009 by E.E.P.D. GmbH. All rights reserved.

October 2009 - Version 1b

M2BBX Base Board

EPIC form factor	Ready for one M2 PCI/104-Express™ CPU board
PCI Express® support	1 x1 slot
PCI Express® Mini Card support	2 PCI Express® Mini Card sockets with USB 2.0 support
Gigabit Ethernet	Up to 2 ports
USB 2.0 support	Up to 3 host ports and 1 client port
32-bit PCI™ bus	PC/104-Plus connector
COM ports	2 RS-232 on DSUB connector and 1 RS-422 on internal header
LVDS interface	24-bit dual channel LVDS
Backlight power and control	Yes, on internal headers
DVI	1 DVI-D port
Sound	HD Audio interface Line IN, Line OUT and Mic IN on audio jack S/PDIF OUT on internal connector
Health monitoring and management	Power management, hardware monitoring and Watchdog
Power supply	ATX power and control signals / 18V - 32V single power supply
Max. operating temperature	0°C to +60°C ambient or 0°C to +70°C at any point on the surface
Max. storage temperature	-20°C to +100°C
Size approx.	165 mm x 115 mm