



PROFIVE

module solutions

APPLICATIONS

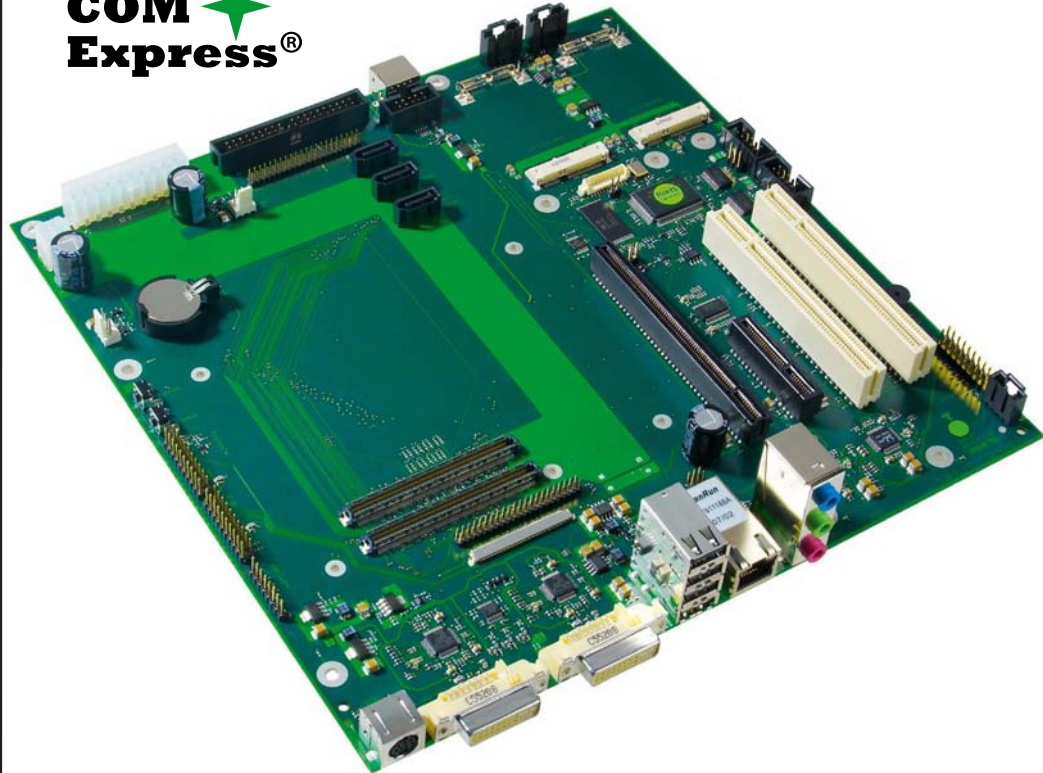
The ComBB was designed as the ideal testing and evaluation platform for the COM Express® module solutions P10, P15, P45 and P65. It is PICMG® COM Express® revision 1.0 compliant.

The ComBB combined with a COM Express® module find its field of work in desktop and mobile devices.

- Rugged Industrial Systems
- Medical Solutions
- Automatic Control Panels
- Information Systems
- Measurement & Quality Control
- Realtime Flow Control

ComBB

COM  **Express®**



- ▶ Supports P10, P15, P45 and P65 COM Express® modules which are powered by the latest technology
- ▶ Meets ATX specification 2.1 and microATX form factor
- ▶ One x4 PCI Express® slot (supporting x1 cards)
- ▶ Two DVI ports (one with Analog VGA)
Order Option: Analog VGA with x16 PCI Express® graphics adapter
- ▶ One LVDS display via internal header
- ▶ Two PCI Express® Mini Card sockets with PCI Express® and USB 2.0 interface
- ▶ Surround sound 5.1 and additional CD Input via internal header
- ▶ PICMG® COM Express® Type 2 pin out
- ▶ The PROFIVE® ComBB is ready to support 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.

December 2009 - Version 1e

ComBB

COM Express® form factor	One Basic form factor CPU module
COM Express® pin out	Type 2 version
Additional BIOS	Yes, external 8 MB firmware hub
PCI Express® support	1 x4 slot (supporting x1 cards) 2 PCI Express® Mini Cards
Serial ATA connectors	3
Parallel ATA interface	1
Ethernet	Prepared for Gigabit (depends on module)
GPIO connector	Internal header for module GPIO interface
Fan connectors	2
USB 2.0 support	6 (4 on rear panel and 2 onboard headers)
Analog VGA port	Yes
LVDS interface	Yes
Serial DVO interface	Yes, two for DVI (shared with PCI Express® graphics interface)
PCI Express® graphics interface	Yes, x16 slot (shared with Serial DVO interface)
TV OUT	Yes
Sound	Realtek AC'97 and HD Audio interface (Line IN, Line OUT, Micro IN on rear panel / surround sound and CD Input on board)
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
Board form factor	microATX
Size approx.	244 mm x 244 mm

Order Information	Order Number
ComBB (Two DVI ports)	ComBS
ComBB (Analog VGA with x16 PCI Express® graphics adapter)	ComBP

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"