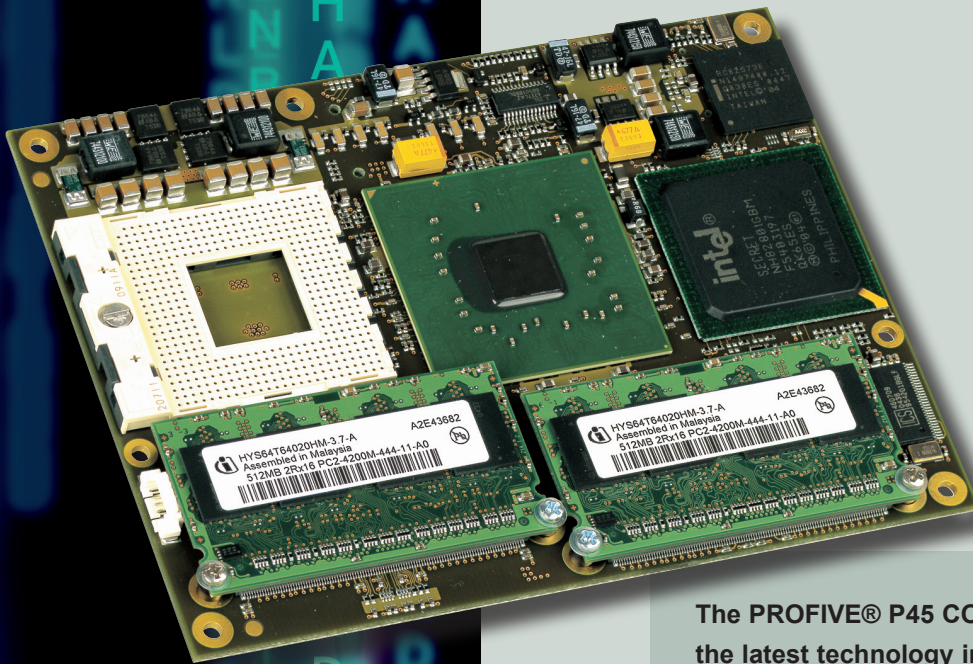


# P45 COM Express™ module solution



PROFIVE



The PROFIVE® P45 COM Express™ is powered by the latest technology including the Intel® Core™ Duo processor T2500 and the Mobile Intel® 945GM Express chipset. The P45 is full PCI Express® and PCI compatible.

## P45 COM Express™

- Powered by the latest technology including the Intel® Core™ Duo processor.
- Mobile Intel® 945GM Express chipset.
- Full PCI Express® and PCI compatible CPU Module.
- The Mobile Intel® 945GM Express Chipset integrates graphic functions to support TV Out, Analog VGA, Serial DVO and LVDS Display interfaces.
- Supports up to 4GB DDR2 Memory.
- Designed for In-Circuit-Testability to ensure optimum quality.
- The PROFIVE® P45 is ready to support various operating systems.
- Additional Ethernet connectivity options and AC-97 / HD Audio interface.
- Two Serial ATA interfaces, one parallel ATA interface and eight USB 2.0 Ports are on board.
- Up to six PCI-Express lanes x1 and a 32 bit PCI interface are supported.
- Works with standard Carrier Board according to PICMG COM.0 R1.0 COM Express Specification.
- Special features for industrial applications have been integrated into the PROFIVE® P45 BIOS.

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**E.E.P.D. Electronic Equipment  
Produktion & Distribution GmbH**  
Gewerbering 3  
D-85258 Weichs-Germany  
Telefon ++49-8136-2282-100  
Telefax ++49-8136-2282-109  
Internet: [www.eepd.de](http://www.eepd.de)  
Email: [sales@eepd.de](mailto:sales@eepd.de)

**E E P D North America, Inc.**  
1560 Sawgrass Corporate Parkway, Suite 475 ·  
Sunrise, FL 33323 · USA  
Phone 954-331-4661 · Fax 954-331-2661  
Internet: [www.eepd.com](http://www.eepd.com)  
Email: [eepdusa@eepd.com](mailto:eepdusa@eepd.com)

CPU	Intel® Core™ Duo processor support
Chipset	Mobile Intel® 945GM Express chipset
COM Express pin out	Type 2 version
Max. Memory	Up to 4GB Memory Support
PCI-Express lanes	6
32-Bit PCI-Bus	Yes
Parallel ATA interface	1
Serial ATA interfaces	2
10/100 MBit Ethernet	Yes
1GBit Ethernet	With future boards
LPC interface	Yes
USB 2.0 ports	8
TV Out port	Yes
Analog VGA port	Yes
LVDS interface	Yes
Serial DVO interface (shared with PCI Express Graphics interface)	Yes
PCI Express Graphics interface (shared with Serial DVO)	Yes
Sound	AC-97 / HD Audio interface
Type	COM Express Basic Module
Size approx.	125 x 95mm