



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.

© 2014 by E.E.P.D. GmbH. All rights reserved.

February 2014 - Version 1a

# M2 CPU PCI/104-Express™ Board

CPU for industrial temperature grade	Intel® Atom™ processor Z520PT / 1.33 GHz / 512 KB cache / 533 MHz FSB Z510PT / 1.1 GHz / 512 KB cache / 400 MHz FSB
CPU for standard temperature grade	Intel® Atom™ processor Z530P / 1.6 GHz / 512 KB cache / 533 MHz FSB Z510P / 1.1 GHz / 512 KB cache / 400 MHz FSB
Chipset for industrial temperature grade	Intel® System Controller Hub US15WPT with FSB supports 400 MHz and 533 MHz
Chipset for standard temperature grade	Intel® System Controller Hub US15WP with FSB supports 400 MHz and 533 MHz
Max. memory	Up to 1 GB DDR2 memory supports 400 MHz and 533 MHz FSB
PC/104™ form factor	Yes
PCI/104-Express™	Yes
PCI Express® lanes	Up to 4 lanes on PCI Express® bus connector
32-bit PCI™ bus	Yes
Parallel ATA interface	Yes, on internal 2mm IDE header and for optional SSD
Gigabit Ethernet	Yes
SM bus	Yes, on PCI Express® bus connector
USB 2.0 support	Up to 6 ports
PCI™ bus connector	Yes
LVDS interface	Yes, 24-bit single channel LVDS
DVI	Optional
Sound	Optional HD Audio connector
Serial ATA	Optional
PS/2 keyboard/mouse port	Yes
Serial port	Yes, three RS-232 and one RS-422
Power supply	+5V single supply or ATX power and control signals
Max. operating temperature	-40°C to +85°C ambient industrial grade 0°C to +60°C ambient standard grade
Fanless	Designed for fanless operation
Size approx.	90 mm x 96 mm

