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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

