

# PB-ATOM+

## Beschreibung

Das **PB-ATOM+** basiert auf den Intel® ATOM™ Prozessoren sowie dem Intel® SCH US15W (Poulsbo®) Chipsatz. Die Performance beträgt derzeit 1,1 GHz bis 1,86 GHz. Der Arbeitsspeicher DDR2-RAM 400/533MHz kann per So-DIMM Sockel 200pin bis zu einer Größe von 2GB gesteckt werden. Der im Intel® SCH US15W (Poulsbo®) Chipsatz integrierte Grafikkontroller Intel® GMA 500 unterstützt CRT und 18/24Bit LVDS Displays bis zu einer Auflösung von 1600x1200. Als Schnittstellen stehen zur Verfügung: 2x RS232, 8x USB2.0, LPT, Keyboard, Mouse und Gigabit Ethernet sowie 7.1 Channel High Definition Audio Codec. Zusätzlich verfügt das Board über einen 16Bit ISA Bus (PC/104™) und einem 32Bit PCI Bus (PC/104-Plus™).

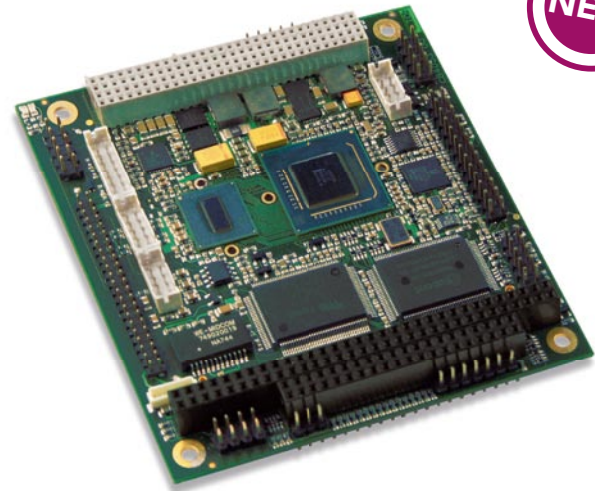
## Description

The **PB-ATOM+** is based on the Intel® ATOM™ processor, as well as the Intel® SCH US15W (Poulsbo®) chipset. The performance is currently 1,1 GHz to 1,86 GHz. The DDR2-RAM 400/533 supports up to 2 GB and is added via So-DIMM socket. The graphic controller Intel® GMA 500 is integrated inside the Intel® SCH US15W (Poulsbo®) chipset and supports CRT and 18/24Bit LVDS displays up to a resolution of 1600x1200. This interfaces are available: 2x RS232, 8x USB2.0, LPT, keyboard, mouse and Gigabit Ethernet as well as 7.1 Channel high definition audio codec. Furthermore the board has a 16Bit ISA bus (PC/104™) and a 32Bit PCI bus (PC/104-Plus™).

## Technische Daten/ Technical Data

Size	96x90mm
CPU	Intel® ATOM™
CPU Clock Speed	1,1GHz - 1,86GHz
Chipset	Intel® SCH US15W (Poulsbo®)
Cache	512kB
PCI BUS	✓
ISA BUS	✓
System Memory	DDR2-400/533 up to 2GB
Video Controller	Intel® Graphics Media Accelerator GMA500
Video Memory	up to 256MB
CRT	✓
LCD	18/24Bit LVDS
COM1/2	✓
LPT	Uni/ECP/EEP
Keyboard	PS2
Mouse	PS2
USB	8x
Sound	7.1 Channel High Definition Audio Codec
IDE	UDMA33/66/100
Solide State Disk (SSD)	up to 4GB
LAN	10/100/1000MBit
BIOS	Award™
Power-Management	ACPI 3.0/APM 1.2
Watchdog	1s-255h
Battery	extern
Power Consumption	5V/1,0A
Cooling Type	passive
Operating Temp.	0° to +60°C

## PC/104-Plus™



## Bestellinformation/ Ordering Information

Article	Part-No.	Description
PB-ATOM+ Z510	E92401	Intel® ATOM™ 1,1GHz
PB-ATOM+ Z530	E92402	Intel® ATOM™ 1,6GHz
PB-ATOM+ Z540	E92403	Intel® ATOM™ 1,86GHz
Accessories	Part-No.	Description
CK-PB-ATOM+	G93046	PC/104™ Cable-Kit PB-ATOM+
DDR2 RAM 256	G80400	256MB DDR2-533 So-DIMM 200pin
DDR2 RAM 512	G80401	512MB DDR2-533 So-DIMM 200pin
DDR2 RAM 1024	G80402	1GB DDR2-533 So-DIMM 200pin
DDR2 RAM 2048	G80403	2GB DDR2-533 So-DIMM 200pin
Options	Part-No.	Description
Option-ET1	G93030	Ext. Temp. -40°C to +85°C

Änderungen vorbehalten / Subject to change