

# EB-ATOM-ICH8M

## Beschreibung

Das **EB-ATOM-ICH8M** basiert auf den Intel® Atom™ Prozessoren N450 und D410/D510 sowie dem Intel® Chipsatz ICH8M. Die Performance beträgt derzeit bis zu 1,66GHz Single- oder Dual-Core. Der Arbeitsspeicher DDR2-667/800MHz kann per So-DIMM Socket (200pin) bis zu einer Größe von 2GB gesteckt werden. Der im Intel® N450 / D510 integrierte Grafikcontroller Intel® GMA3150 unterstützt CRT und 18-bit LVDS Displays bis zu einer Auflösung von 2048x1536 (CRT) und 1366x768 (LVDS). Als Schnittstellen stehen zur Verfügung: 2x IDE, 2x SATA, 4x USB2.0, 2x COM, PS/2 (Keyboard, Maus), 1x IrDA, 10/100Mbit Ethernet und ein High Definition Audio Interface.

## Description

The **EB-ATOM-ICH8M** is based on the Intel® Atom™ N450 and D410/D510 processors, as well as the Intel® chipset ICH8M. The performance is currently 1,66GHz Single- or Dual-Core. The DDR2-RAM 667/800MHz supports up to 2GB and is added via So-DIMM socket. The integrated graphic controller Intel® GMA3150 supports CRT and LVDS displays up to a resolution of 2048x1536 (CRT) and 1366x768 (LVDS). This interfaces are available: 2x IDE, 2x SATA, 4x USB2.0, 2x COM, PS/2 (keyboard, mouse), 1x IrDA, 10/100MBit Ethernet and a high definition audio interface.

## ETX®



## Technische Daten/Technical Data

Size	95x114mm
CPU	Intel® Atom™ N450 / D410 / D510
CPU Clock Speed	1,66GHz (Single- / Dual-Core)
Chipset	Intel® ICH8M
Cache	512kB / 1MB L2
PCI BUS	✓
ISA BUS	✓
System Memory	DDR2-667/800 up to 2GB
Video Controller	Intel® Graphics Media Accelerator GMA3150
Video Memory	up to 256MB (Intel® DVM T)
CRT	✓
LCD	18Bit LVDS
COM	2x (TTL signal)
LPT	Uni/ECP/EPP
Keyboard	✓ PS/2
Mouse	✓ PS/2
USB	4x 2.0
Sound	High definition audio
IDE	2x UDMA33/66/100
SATA	2x
LAN	10/100MBit
BIOS	AMI™
Power-Management	ACPI 3.0/APM 1.2
Watchdog	1s-255h
Battery	extern
Power Consumption	depends on used CPU
Cooling Type	passive
Operating Temp.	0° to +60°C
Ext. Temp.	on request

## Bestellinformation/Ordering Information

Article	Part-No.	Description
EB-ATOM-ICH8M-N450	P91000	Intel® Atom™ 1,66GHz
EB-ATOM-ICH8M-D410	P91001	Intel® Atom™ 1,66GHz
EB-ATOM-ICH8M-D510	P91002	Intel® Atom™ 2x1,66GHz

  

Accessories	Part-No.	Description
heatspreader	G96012	95mm x 114mm x 2mm
DDR2 RAM 512	G80301	512MB DDR2-667 So-DIMM 200pin
DDR2 RAM 1024	G80302	1GB DDR2-667 So-DIMM 200pin
DDR2 RAM 2048	G80303	2GB DDR2-667 So-DIMM 200pin
DDR2 RAM 512	G80351	512MB DDR2-800 So-DIMM 200pin
DDR2 RAM 1024	G80352	1GB DDR2-800 So-DIMM 200pin
DDR2 RAM 2048	G80353	2GB DDR2-800 So-DIMM 200pin
EVA-Board	A80001	ETX® Evaluationboard

  

Options	Part-No.	Description
Option-ET1	G93030	Ext. Temp. -40°C to +85°C