

# TB-ATOM-ICH8M

## Beschreibung

Das **TB-ATOM-ICH8M** basiert auf den Intel® Atom™ Prozessoren N450 und D510, sowie der Intel® ICH8-M. Die Performance beträgt derzeit 1,66GHz Single- oder Dual-Core. Der Arbeitsspeicher DDR2-667/800MHz kann per So-DIMM Sockel (200pin) bis zu einer Größe von 2GB gesteckt werden. Der integrierte Grafikkontroller Intel® GMA 3150 unterstützt CRT und 18Bit LVDS Displays bis zu Auflösungen von 2048x1536(CRT) und 1366x768(LVDS). Als Schnittstellen stehen zur Verfügung: Keyboard, Mouse, 2x RS232, 6x USB 2.0, 2x SATA, Compact Flash™ Sockel, MiniPCI Sockel, Dual Gigabit Ethernet sowie ein HD Audio Interface.

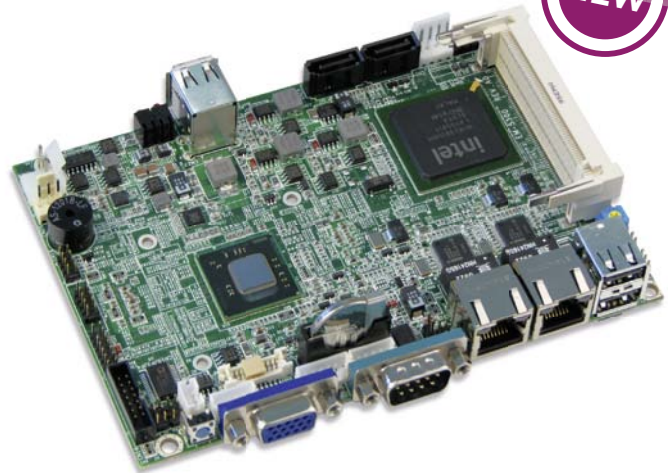
## Description

The **TB-ATOM-ICH8M** is based on the Intel® Atom™ processors N450 and D510, as well as the Intel® ICH8-M. The performance is currently 1,66GHz Single- or Dual-Core. The system memory DDR2-667/800MHz supports up to 2GB and is added via So-DIMM socket. The graphic controller Intel® GMA 3150 supports CRT and 18Bit LVDS displays up to a resolution of 2048x1536(CRT) and 1366x768(LVDS). This interfaces are available: keyboard, mouse, 2x RS232, 6x USB 2.0, 2x SATA, Compact Flash™ socket, MiniPCI socket, Dual Gigabit Ethernet and a HD audio interface.

## Technische Daten / Technical Data

Size	145x102mm
CPU	Intel® Atom™ N450/D410/D510
CPU Clock Speed	1,66GHz (Single- / Dual-Core)
Chipset	Intel® ICH8M
Cache	512kB/1MB
System Memory	DDR2-667/800 up to 2GB
Video Controller	Intel® Graphics Media Accelerator GMA3150
Video Memory	up to 256MB
CRT	✓
LCD	18Bit LVDS
ISA BUS	-
PCI BUS	-
MiniPCI	✓
PCI Express	-
MiniPCI Express	-
CompactFlash™ card	✓
SD/SDIO card	-
COM	2x RS232
LPT	-
FDC	-
Keyboard	✓ PS/2 via pinheader
Mouse	✓ PS/2 via pinheader
USB	6x 2.0
Sound	High definition audio
IDE	-
Serial ATA	2x
IR Interface	✓
LAN1	10/100/1000MBit
LAN2	10/100/1000MBit
BIOS	AMI™
Power Management	ACPI 3.0/APM 1.2
Watchdog	1s - 255h
RTC Battery	✓
Power Normal	TBA
Cooling Type	passive / active
Operating Temp.	0°C to +60°C
Extended Temp.	-40°C to +85°C

## 3,5" SBC



## Bestellinformation / Ordering Information

Article	Part-No.	Description
TB-ATOM-ICH8-N450	A94600	Intel® Atom™ 1,66GHz N450
TB-ATOM-ICH8-D410	A94601	Intel® Atom™ 1,66GHz D410
TB-ATOM-ICH8-D510	A94602	Intel® Atom™ 2x1,66GHz D510

Accessories	Part-No.	Description
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
CF-128MB	G81027	128MB CompactFlash™ Industrial
CF-256MB	G81028	256MB CompactFlash™ Industrial
CF-512MB	G81029	512MB CompactFlash™ Industrial
CF-1GB	G81030	1GB CompactFlash™ Industrial
CF-2GB	G81031	2GB CompactFlash™ Industrial
CF-4GB	G81032	4GB CompactFlash™ Industrial
CF-8GB	G81033	8GB CompactFlash™ Industrial
CF-16GB	G81034	16GB CompactFlash™ Industrial

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