

Q7-ATOM-SATA

Beschreibung

Das **Q7-ATOM-SATA** basiert auf den Intel® Atom™ Prozessoren sowie dem Intel® SCH US15W (Poulsbo®) Chipsatz. Die Performance beträgt derzeit 1,1GHz bis 1,6GHz. Das Board ist mit bis zu 1GB DDR2-400/533MHz aufgelötetem Arbeitsspeicher und optional mit einem NANDrive mit bis zu 16GB bestückt. Der im Intel® SCH US15W (Poulsbo®) Chipsatz integrierte Grafikcontroller Intel® GMA 500 unterstützt SDVO und 18/24Bit LVDS Displays bis zu einer Auflösung von 1600x1200. Als Schnittstellen stehen zur Verfügung: 8x USB 2.0, 2x SATA, bis zu 3x PCI-Express x1 Lane, SDIO Interface, LPC Interface und Gigabit Ethernet sowie ein High Definition Audio Interface.

Description

The **Q7-ATOM-SATA** is based on the Intel® Atom™ processor, as well as the Intel® SCH US15W (Poulsbo®) chipset. The performance is currently 1,1GHz to 1,6GHz. The soldered DDR2-RAM 400/533MHz supports up to 1GB and optional a NANDrive up to 16GB. The graphic controller Intel® GMA 500 is integrated inside the Intel® SCH US15W (Poulsbo®) chipset and supports SDVO and 18/24Bit LVDS displays up to a resolution of 1600x1200. This interfaces are available: 8x USB 2.0, 2x SATA, up to 3x PCI-Express x1 lane, SDIO interface, LPC interface, Gigabit Ethernet and a high definition audio interface.

Technische Daten/Technical Data

| | |
|-------------------|--|
| Size | 70x70mm |
| CPU | Intel® Atom™ Z510/Z530 |
| CPU Clock Speed | 1,1GHz - 1,6GHz |
| Chipset | Intel® SCH US15W (Poulsbo®) |
| Cache | 512kB L2 |
| System Memory | up to 2GB DDR2-400/533 soldered |
| Video Controller | Intel® Graphics Media Accelerator GMA500 |
| Video Memory | up to 256MB shared |
| LCD | 18/24bit LVDS |
| SDVO | ✓ |
| PCI Express | up to 3x PCIe x1 |
| LPC Interface | ✓ |
| USB | 8x 2.0 |
| SDIO Interface | ✓ |
| SATA | 2x |
| NAND drive | up to 16GB (option) |
| Sound | High definition audio |
| LAN | 10/100/1000MBit |
| BIOS | Award™ |
| Power-Management | ACPI 3.0/APM 1.2 |
| Power Consumption | 5V/1A (1,1GHz) typ. |
| Cooling Type | passive |
| Operating Temp. | 0°C to +60°C |
| Extended Temp. | on request |

Qseven™



Bestellinformation/Ordering Information

| Article | Part-No. | Description |
|------------------------|----------|----------------------------------|
| Q7-ATOM-SATA-Z510-512 | P81000 | Intel® Atom™ 1,1GHz 512MB |
| Q7-ATOM-SATA-Z530-512 | P81001 | Intel® Atom™ 1,6GHz 512MB |
| Q7-ATOM-SATA-Z510-1024 | P81010 | Intel® Atom™ 1,1GHz 1GB |
| Q7-ATOM-SATA-Z530-1024 | P81011 | Intel® Atom™ 1,6GHz 1GB |
| Q7-ATOM-SATA-Z510-2048 | P81020 | Intel® Atom™ 1,1GHz 2GB |
| Q7-ATOM-SATA-Z530-2048 | P81021 | Intel® Atom™ 1,6GHz 2GB |
| Accessories | Part-No. | Description |
| Q7-EVA-3,5" | P82100 | Qseven™ 3,5" Evaluationboard |
| Q7-EVA-MB | P82101 | Qseven™ Mini-ITX Evaluationboard |
| Q7 heatspreader | P96002 | Q7-ATOM-SATA heatspreader |
| Options | Part-No. | Description |
| Option-ET1 | G93030 | Ext. Temp. -40°C to +85°C |
| NAND Flashdrive | P81100 | 1GB NAND Flashdrive |
| NAND Flashdrive | P81101 | 2GB NAND Flashdrive |
| NAND Flashdrive | P81102 | 4GB NAND Flashdrive |
| NAND Flashdrive | P81103 | 8GB NAND Flashdrive |
| NAND Flashdrive | P81104 | 16GB NAND Flashdrive |