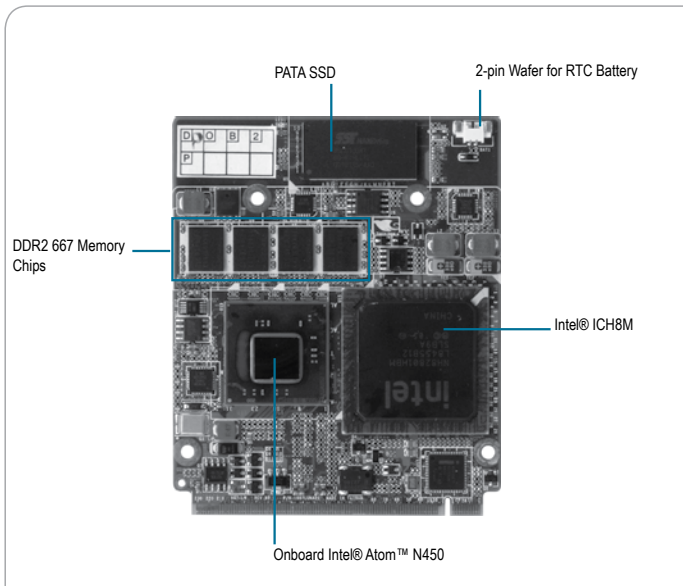


# AQ7-LN

Qseven CPU Module with Onboard Intel® Atom™ N450 Processor



## Features

- Onboard Intel® Atom™ N450 Processor
- Onboard DDR2 667 Memory, Max. 1GB
- Gigabit Ethernet
- CRT Connector, 18-bit Single-channel LVDS LCD
- High Definition Audio Interface
- PATA SSD (Up to 4GB, Optional) x 1, SATA 3.0Gb/s x 2
- USB2.0 x 8
- PCI-Express [x1] x 4
- LPC Bus x 1
- +5V Only Operation



## Specifications

System	
Form Factor	Qseven
Processor	Onboard Intel® Atom™ N450 processor
System Memory	Onboard DDR2 667 memory chip, Max. 1 GB
Chipset	ICH8M
Ethernet	Intel® 82567V, Gigabit Ethernet
BIOS	AMI ROM SPI type, 4MB
Wake on LAN	YES
Watchdog Timer	Generates a time-out system reset
H/W Status Monitoring	Supports power supply voltages, fan speed and temperature monitoring
Expansion Interface	PCI-Express [x1] x 4 LPC bus x 1 SMBus x 1
Battery	Lithium battery
Power Requirement	+5V DC
Power Consumption (Typical)	Intel® Atom™ N450 1.66 GHz, DDR2 667 1GB 2.43A@+8.5V with TF-ECB-930G-A10
Board Size	2.75" (L) x 2.75" (W) (70mm x 70mm): Without SSD, TF-AQ7-LN-A10 3.35" (L) x 2.75" (W) (85mm x 70mm): With SSD, TF-AQ7-LN-B10
Gross Weight	0.44 lb (0.2kg)
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
MTBF (Hours)	—
Display	
Supports CRT/LCD Dual Simultaneous/ Dual Independent Displays	
Chipset	Intel® N450 integrated Integrates hardware MPEG2 decoder
Memory	Shared system memory up to 384MB/ DVMT 4.0
Resolution	Up to 1400 x 1050 (SXGA) @ 60Hz for CRT Up to 1366 x 768 or 1280 x 800 (WXGA) @ 60Hz for LCD
LCD Interface	18-bit single-channel LVDS
SDVO	—
CRT	One CRT connector on the module
I/O	
Storage	1. PATA SSD on board, Max. 4GB (Optional) or PATA x 1 (2 devices) 2. SATA 3.0Gb/s x 2
USB	USB 2.0 x 8
Audio	High definition audio interface

## Packing list

- M2.5 Screw x 4
- Product CD
- AQ7-LN

## Ordering Information

- **TF-AQ7-LN-A10**  
Qseven CPU Module, N450, DDR2 1GB, Gigabit Ethernet, SATA 3.0Gb/s, USB2.0, Rev. A1.0
- **TF-AQ7-LN-B10**  
Qseven CPU Module, N450, DDR2 1GB, Gigabit Ethernet, 4 GB SSD (SLC), SATA 3.0Gb/s, USB2.0, Rev. B1.0
- **TF-AQ7-LN-B10-01**  
Qseven CPU Module, N450, DDR2 1GB, Gigabit Ethernet, 16 GB SSD (MLC), SATA 3.0Gb/s, USB2.0, Rev. B1.0

## Optional Accessories

- **TF-ECB-930G-A10**  
Qseven Carrier Board, 3.5", Dual Gigabit Ethernet, 2CH Audio, 2 COM, USB, Mini Card, DC, Rev.A1.0
- **TF-PER-A095**  
Passive Heatsink, For AQ7-LN, Onboard CPU
- **TF-PER-A097**  
Heat Spreader Kit, For AQ7-LN, Onboard CPU