

SILENT BOX

Fanless Desktop Network Appliance
Platform with Intel® Atom™ Processor
D510 and 6 Ethernet ports



▲ Front view



▲ Rear view



Introduction

The comBOX **SILENT BOX** network appliance is a compact fanless hardware platform designed for industrial network applications. It supports low power Intel® Atom™ Processor D510 1.66 GHz with Intel® ICH8M chipset and features a 1U desktop form factor. The system supports up to a maximum of 2 GB of DDR2-667 memory. In addition, it features one internal SSD hard drive for storing event log and a mini card for wireless card installation. The silent box has also an optional feature to support LAN bypass function through WDT and GPIO pin definitions to prevent sudden shutdown.

Specifications

System

CPU	Intel® Atom™ processor D510 1.66 GHz with 1M/512K L2 cache
Chipset	Intel® ICH8M PCH chipset
Memory	1 x DDR2-667 (single channel) SO-DIMM max. up to 2 GB (unbuffered non-ECC) (wide temperature support is available upon request)
HDD Interface	1 x 2.5" SATA HDD (wide temperature support is available upon request)
Network Interface	6 x 10/100/1000Mbps Ethernet (Intel® 82583V (default), Intel® 82574L (optional))
SSD	1 x CompactFlash™ type II (wide temperature support is available upon request)
USB	2 x USB 2.0 port on rear side
Other Features	LAN bypass function through WDT and GPIO pin control (one group)
Power Supply	1 x 12V, 5A power adapter

Features

- ▶ Low power and high performance Intel® Atom™ Processor D510 1.66 GHz with 1M L2 cache and Intel® ICH8M PCH chipset
- ▶ Supports 6 10/100/10000 Mbps Ethernet ports, 1 LAN and 5 WAN
- ▶ Supports BIOS redirected to COM port
- ▶ Equipped with one SSD hard drive
- ▶ Supports fanless and noiseless operation
- ▶ Suitable for remote and industrial installations
- ▶ Supports Intel® Hyper-threading technology

Mechanical/ Environmental

Form Factor	1U desktop
LED	Power, HDD, Link/Act with transfer rate, LAN bypass (optional), GPIO programmable (optional)
Operating Temp.	0° ~ +40°C (32°F ~ 104°F)
Storage Temp.	-20° ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 90% RH, non-condensing
Chassis Material	Steel
Dimensions	44 mm (1.73") (H) x 230 mm (9.00") (W) x 153.5 mm (6.04") (D)
Certification	FCC class B/CE class B

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