

ESX-100™ EtherSound™ ES-100 Network Interface Module Product Bulletin



General Description

The ESX-100™ Network Interface Module offers up to 64 x 64 channels with ring redundant topologies for ES-100.

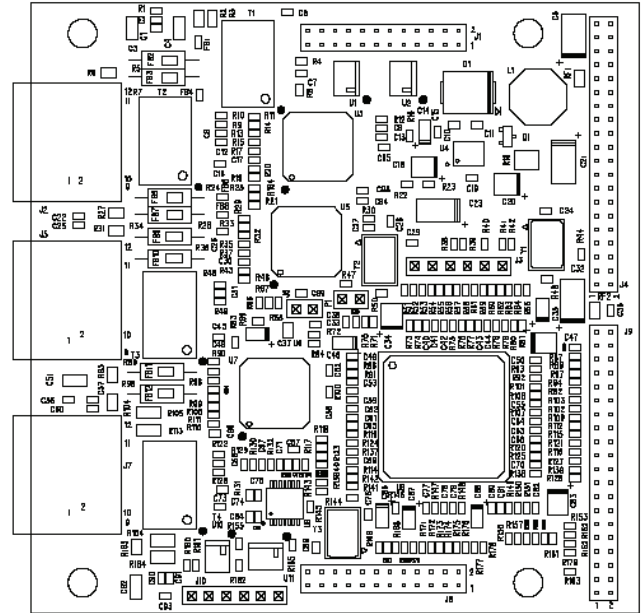


Key Features

- ES-100 EtherSound™ network module
 - Ring Redundant Topologies
 - 3rd jack allows for control interface in Ring Topologies
 - Ultra low audio latency of 125 uS per module with flexible topology options: star, daisy chain, or combinations of both
 - 48 kHz or 96 kHz sample rate with 24-bit resolution
 - 100Mbps full-duplex Ethernet interface fully compatible with the IEEE 802.3x standard, fully routable through standard Layer 2 Ethernet equipment
- Mechanically and electrically compatible with CobraNet™ CM-1 and CM-2 modules for legacy systems (requires host firmware modifications)
- Xilinx Spartan 3E® FPGA (Field Programmable Gate Array) field upgradeable core provides unparalleled flexibility not available in dedicated processor solutions

Physical Specifications

The ESX-100™ module is 3.5" x 3.5" with four mounting holes. Chassis mounting is available via an optional mounting bracket and either 2 or 3 RJ-45 connector configurations. The two 2mm 40 pin connectors mounted are available either on the top (component side) or on the bottom to maximize the flexibility in space limited applications.



About Lab X Technologies

Lab X Technologies is the Rochester, NY based engineering design firm recognized as the leader in connectivity solutions for the professional audio industry.

Founded in 1996, Lab X has worked with top audio manufacturers to develop leading edge products that embrace the universal need for connectivity and interoperability.

In addition to being the first North American Ethersound Implimentor, Lab X also has extensive experience with, Dante, CobraNet, A-Net, MADI, and other audio networking standards.

Lab X Technologies serve our clients in a variety of ways; including augmenting internal design teams, providing pre-engineered connectivity modules, developing innovative product concepts, and producing complete turnkey custom solutions.

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