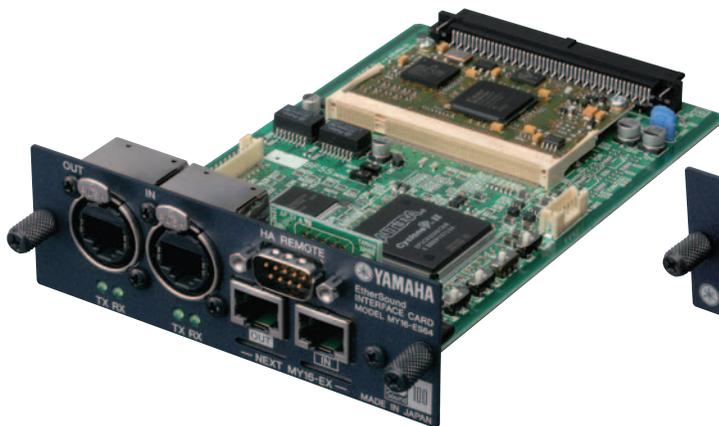


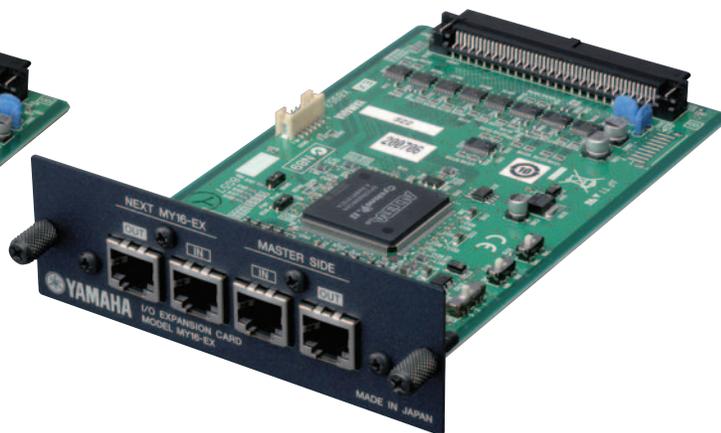
## 64-channel Capable 16-channel EtherSound Interface Card

# MY16-ES64



## 16-channel Expansion Card

# MY16-EX



### Plug-in, Expandable EtherSound Audio Networking

EtherSound is the digital audio and control transfer protocol of choice for many modern live sound applications. Now with a single Yamaha MY16-ES64 card you can add 16 channels of bidirectional EtherSound connectivity to a range of Yamaha professional audio devices that accept mini-YGDAI expansion cards. Simply add one, two, or three MY16-EX expansion cards to the core MY16-ES64 card to increase the EtherSound channel capacity to 32, 48, or 64 channels.

As EtherSound is bidirectional, MY16-ES64 and MY16-EX cards work on both ends of the system. You could, for example, equip your Yamaha digital mixer with an MY16-ES64 card and up to 3 MY16-EX cards to provide the required EtherSound input and output capability, and install complementary MY16-ES64 and MY16-EX cards into on-stage Yamaha TXn-series power amplifiers for a clean Ethernet-only connection from console to power amplifiers. For input you could use Yamaha AD8HR remotely-controllable head amplifiers connected via a Yamaha NAI48-ES EtherSound Network Audio Interface. But of course there are many other EtherSound device options as well; you

might want to use Yamaha DME Digital Mixing Engines on your audio network, or a growing number of devices from other manufacturers. And since EtherSound is based on Ethernet you can use standard high-speed Ethernet hubs and routers to configure your network to meet your specific system requirements.

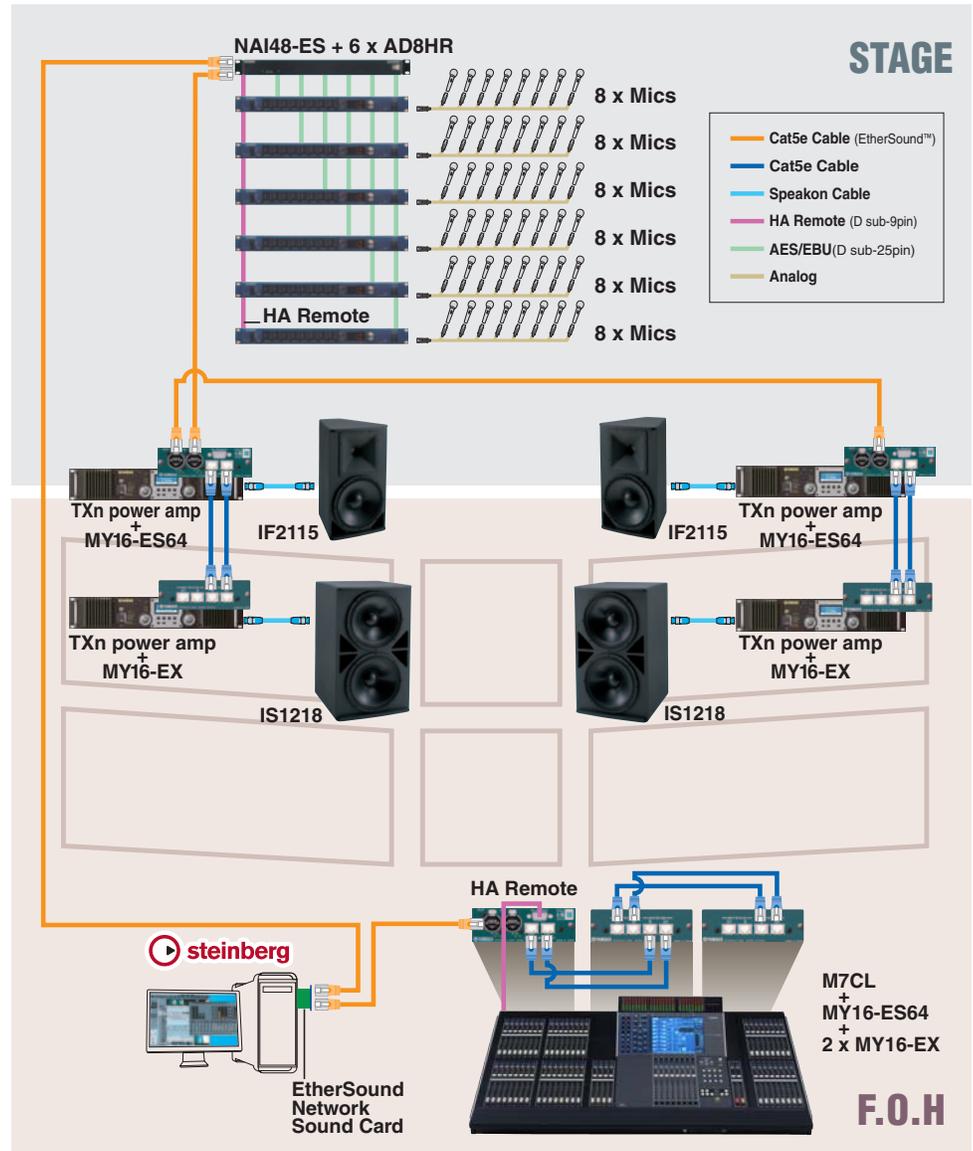
### EtherSound: Optimum Digital Audio Transfer for Live Sound

EtherSound is rapidly becoming a favorite choice for audio networking in live-sound applications because, while allowing high-quality bidirectional transfer of as many as 64-channels of 24-bit 48 kHz digital audio over a single Ethernet cable, it is easy to set up and offers extremely low latency. Using high-performance Cat-5 Ethernet cables\* you can reliably transfer audio and remote control signals for compatible devices such as AD8HR remote head amplifiers over distances of up to 100 meters with no errors or degradation.

\*Refer to <http://www.ethersound.com/technology/compatibility.php>  
Distance may vary depending on Cable performance.

## MY16-ES64 & EX Application

Here's a live sound system with live recording capability that benefits immensely from EtherSound networking. A Yamaha digital mixing console is equipped with an MY16-ES64 card and two MY16-EX cards to provide 48 channels of EtherSound input and output. The 48 input channels are fed by a bank of six 8-channel AD8HR Remote Head Amplifiers connected to the EtherSound network via an NAI48-ES Network Audio Interface. Power to the system's speakers is supplied by four advanced TXn series power amplifiers, one fitted with an MY16-ES64 card linked to MY16-EX cards installed in the remaining three amplifiers. The EtherSound network connection from the MY16-ES64 card installed in the M7CL-48 initially goes to an EtherSound Network Card installed in a computer, allowing direct live recording to Steinberg Nuendo DAW software.



### Specifications

#### MY16-ES64

	Connector	#	Note
Format	-	-	EtherSound
Audio Network	EtherCon	2	EtherSound
EXT. Connector (For MY16-EX)	RJ-45	2	Cat 5
HA Remote	D-sub 9 pin	1	AD8HR Protocol

#### MY16-EX

	Connector	#	Note
Format	-	-	MY16-ES64, MY16-MD64
EXT. Connector (Master)	RJ-45	2	Cat 5
EXT. Connector (For MY16-EX)	RJ-45	2	Cat 5

• Specifications and appearance subject to change without notice. • All trademarks and registered trademarks are property of their respective owners.

[www.yamahaproaudio.com](http://www.yamahaproaudio.com)

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