



**YTS434-F**  
**mLAN-PH1(mLAN Packet Handler 1)**  
**Evaluation Kit**

mLAN<sup>1</sup> proposed by YAMAHA is total protocol set for connecting electronic musical instruments and audio devices over IEEE1394 bus.

mLAN adopts “Audio & Music Data Transmission Protocol V1.0”<sup>2</sup> by 1394 Trade Association.

mLAN defines Distributed Connection Management system which provides a “portable connection” and “autonomous connection retrieval”.

mLAN inherits all features of IEEE1394 such as easy cabling and high speed data transmission.

**“YTS434-F” mLAN-PH1(Packet Handler 1) Evaluation Kit**

- 2 channel Audio Inputs/Outputs
  - Analog: RCA pin
  - Digital: Coaxial and Optical SPDIF
  - Audio Sampling Frequency: 48kHz, 44.1kHz, 32kHz
- 1 MIDI Input/Output
- RS-232C port for Debug Monitor
- 200Mbps PHY(MD8402) and LINK(MD8413) from FUJIFILM Microdevices<sup>3</sup>
- Microcontroller with Firmware which supports Connection Management

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<sup>1</sup> mLAN and  are trademark pending from YAMAHA corporation.

<sup>2</sup> Specification is available from <http://www.1394ta.org/abouttech/specifications/techspec.html>.

<sup>3</sup> Refer to <http://www.fujifilm.co.jp/ffm/>.

# YTS434-F Evaluation Board

## BLOCK DIAGRAM

