Ethernet OAM Trunk Management Software
ITU-T Y.1731 Module

Key Features

- Requires NComm's Ethernet OAM TMS IEEE 802.1ag module

- Manages Alarm Indication Signal Messages

- Handles Lock Messages

- Manages Loss Measurement Messages and Responses

- Manages Delay Measurement Messages and Responses

- Manages Test Messages

- Handles Maintenance Communication Channel Messages

- Handles Vendor Specific Messages and Responses

- Handles Experimental Messages and Responses

- All packets compatible with IEEE 802.1ag. Handles all 802.1ag packets

- Fully Standard Compliant

- OS independent

- Pre-ported to Linux

- MIB support

- Operates on Bridges and/or endpoints

Key Benefits

- Turnkey solution
- Easy to use APIs
- Sample application included
- ANSI C Source Code
- Driver Included

- Field proven by multiple customers
- Software deployed worldwide

With NComm's proven source code and protocol stack, you have the quality and standard compliance interfaces that you need for less cost than you can do it yourself.

Product Overview

NComm's Ethernet OAM TMS puts the market critical Ethernet OAM functionality within the reach of every equipment manufacturer.

Ethernet OAM TMS handles the algorithms and packet-types needed to measure the performance of an Ethernet path, end to end, and of each node within the path as specified in ITU-T Y.1731-2015.

NComm provides a separate module to handle the IEEE 802.1ag standard that integrates seamlessly with the ITU-T Y.1731 module and is required.

Ethernet OAM TMS includes the higher level, managed object MIB-style of control and status methodology to properly manage the OAM topology.
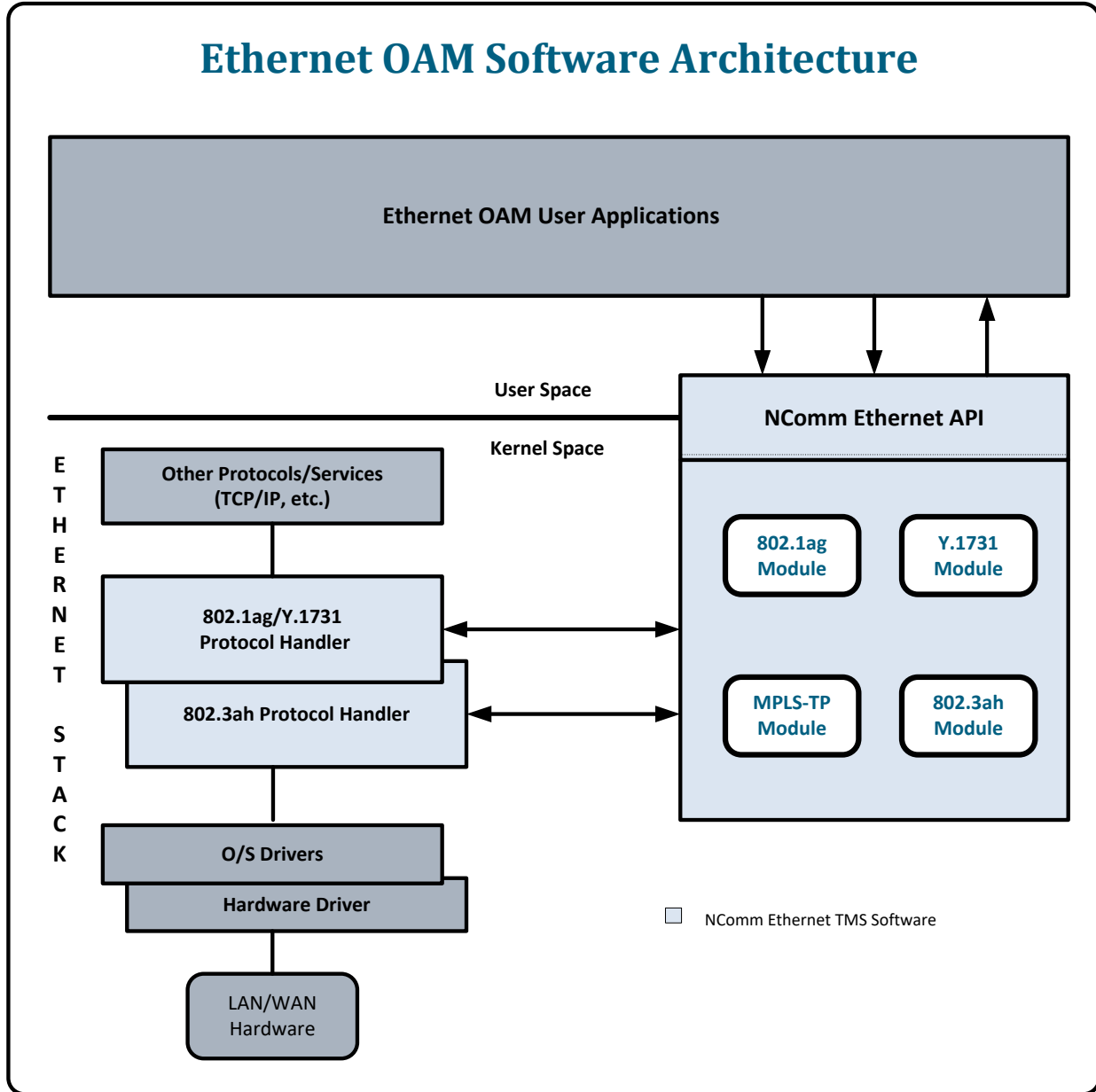
NComm's Ethernet OAM TMS is supplied as ANSI C source code. User manuals, implementation training and technical support are also included with each license. A sample demo application provides functionality very quickly.

Applications

- Routers
- Switches
- Base Stations
- Access Point
- Aggregation devices
- Test Equipment
- Embedded Systems

Ethernet OAM TMS Architecture

As in the entire TMS family of OAM software, Ethernet OAM TMS is architected to be hardware and operating system independent. Well-defined APIs are employed for faster first time integration and ease of reuse.

Ethernet OAM Software Architecture

Ethernet OAM User Applications

User Space

NComm Ethernet API

Kernel Space

E T H E R N E T   S T A C K

Other Protocols/Services (TCP/IP, etc.)

802.1ag/Y.1731 Protocol Handler

802.3ah Protocol Handler

802.1ag Module

Y.1731 Module

MPLS-TP Module

802.3ah Module

O/S Drivers

Hardware Driver

LAN/WAN Hardware

☐ NComm Ethernet TMS Software

Driver and OAM Software Architecture