



# Ethernet OAM Trunk Management Software

## MPLS-TP Module

### Key Features

- Requires NComm's Ethernet OAM TMS IEEE 802.1ag and ITU Y.1731 modules
- Manages MPLS-TP encapsulation of Y.1731 messages
- Manages Continuity Check messages
- Manages Loop Back Messages/Loop Back responses and MPLS-TP modifications to them
- Manages Delay Measurement Messages and Responses
- Manages Test Messages
- Manages Client Signal Fail Messages
- Handles Loss Measurement Messages and Loss Measurement Responses
- 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 with the MPLS-TP extensions defined in ITU G.8113.1.

NComm provides a separate module to handle the IEEE 802.1ag and ITU Y.1731 standards that integrates seamlessly with the MPLS-TP module and they are required to use the MPLS-TP module.

Ethernet OAM TMS includes the higher level, managed object MIB-style of control and status methodology to properly manage the OAM topology.

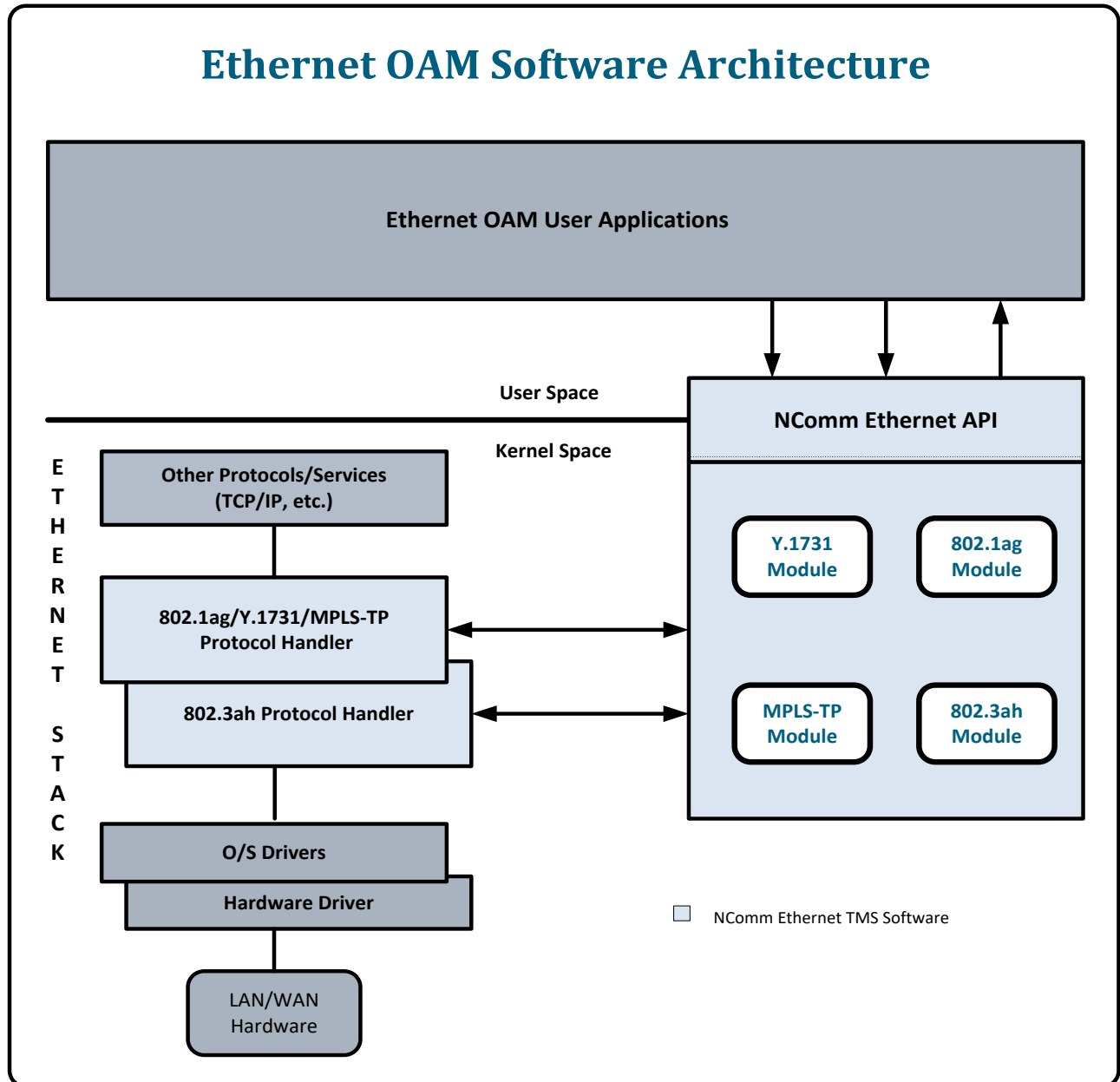
NComm's Ethernet OAM TMS is supplied as ANSI C source code. User manuals, implementation training and technical support are also included with each license. A sample demo application provides functionality very quickly.

### 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.



## Driver and OAM Software Architecture

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