Ethernet OAM Trunk Management Software

IEEE 802.1ag Module

Key Features

- Manages Continuity Check Messages
- Manages Loopback Messages and Responses
- Manages Link Trace Messages and Responses
- VLANs supported
- Fully Standard Compliant
- OS independent
- Pre-ported to Linux
- MIB support
- Fully integrated module allowing for ITU-T Y.1731 and MPLS-TP OA&M support
- Operates on Bridges and/or endpoints
- Fully compatible with the Ethernet OAM TMS IEEE 802.3ah (clause 57) module

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 end-to-end Ethernet Performance Monitoring as defined in the IEEE 802.1ag standard. It generates and processes CCM messages, LBM messages, and LTM messages.

The 802.1ag module is designed to function on bridges or endpoints

NComm also provides a separate module to handle the ITU-T Y.1731 standard and MPLS-TP OA&M standard which integrates seamlessly with the IEEE 802.1ag module.

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

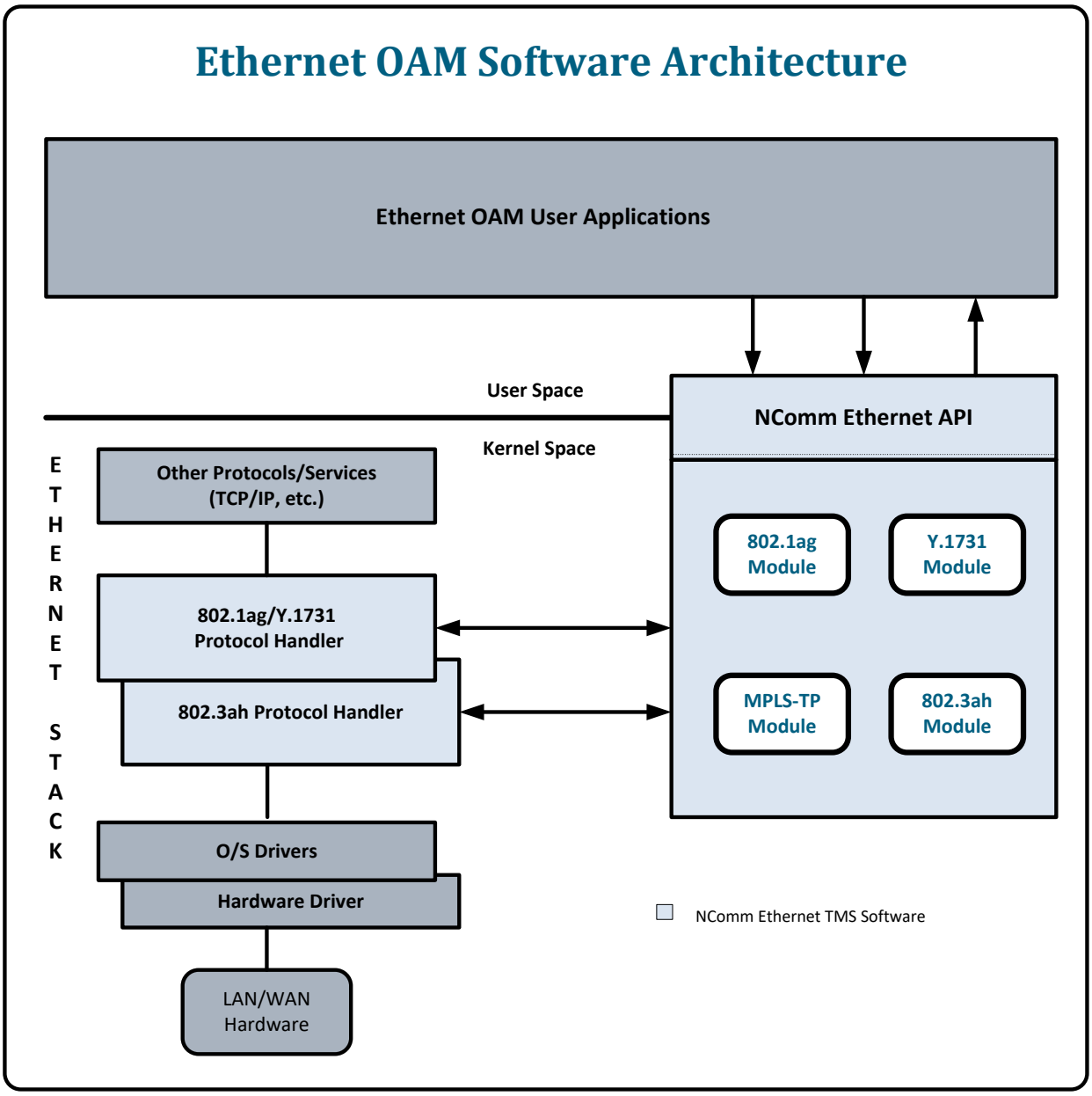
NComm's Ethernet OAM TMS is supplied as ANSI C source code. User manuals, implementation training and technical support are also included with each license. A sample demo application provides functionality very quickly. This sample application also functions as a guide for integration of the Ethernet OAM TMS API into the upper management or control systems of your choice.

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