



# Veryx ATTEST on Xena hardware

An affordable, high-performance platform for Ethernet load stress, protocol conformance & functional verification testing.

## Innovative, comprehensive & cost-effective

Xena Networks and Veryx Technologies have created an innovative Ethernet test platform that combines Xena's high performance, wire-speed Ethernet test hardware with Veryx's broad portfolio of Ethernet functional and conformance test suites. The result is an open, scalable, low-cost and highly customizable test platform that enables equipment test engineers to:

- Select (and pay for) only the Ethernet test capabilities needed
- Conduct Ethernet OAM testing in a transportable form factor
- Deploy Ethernet test capabilities as low-cost test "infrastructure"

Choose the test capabilities you need right now – with complete confidence that as your needs grow you can easily and cost-effectively scale the number and types of test ports, as well as add additional test suites.

## Features & Benefits

- Scalable & Customizable** → Lower cost by tailoring test solution to exact needs
- Automated & Multi-user** → Increase productivity and share all test resources
- High Performance** → Wire-speed traffic generation, capture & analysis
- Test Suites** → Carrier Ethernet, MPLS-TP and Time Synchronization
- Comprehensive Reporting** → Programmable filters/triggers & WireShark export
- Open Scripting Interface** → Integrate into any type of testing environment

## Joint Solution Components

What's new is the completeness of available features, the simplicity of implementation and ease of use. The components include:

### Xena Networks

- XenaCompact (single slot chassis)
- XenaBay (twelve slot chassis)
- XenaManager-2G Software

### Veryx Technologies

- ATTEST CTS - Conformance Test Suite
- ATTEST XP - Functional Test Suite
- ATTEST Framework

**TOP FEATURES - ATTEST**



## ATTEST

ETHERNET CONFORMANCE  
TEST SUITES FROM VERYX



- Enhance network device functionality and support newer protocol standards across multiple product lines in shorter timeframes
- Characterize load stress performance of network devices in terms of throughput, latency, loss and sequence/misordering errors
- Ensure new network devices meet compliance and performance requirements prior to deployment
- Understand data forwarding behavior of switch ports when presented with data flows containing both valid and malformed data packets
- Verify device capability in handling data on selected interfaces at wire-speed
- Investigate network device behavior when handling valid and invalid protocol messages



1-slot XenaCompact

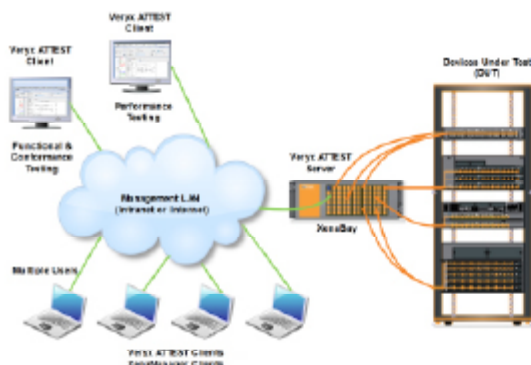


12-slot XenaBay



## Ethernet Equipment Testing

In lab and manufacturing environments, ATTEST on the Xena platform is the cost-effective solution for OEM QA test applications requiring high-port-count testbeds.



## Veryx's Extensive Set of ATTEST Test Suites

Veryx's ATTEST Test Suites enable functional & protocol conformance testing of Ethernet network devices.

### Carrier Ethernet

#### Backhaul

- ERPS (G.8032)

#### OAM

- CFM (802.1ag)
- L-OAM (802.3ah)
- S-OAM (Y.1731)

#### MEF

- CE 2.0

#### MPLS-TP

- Data Plane (RFC 5654, RFC 5960)
- Data Plane M2M (RFC 5654, RFC 4665)
- OAM (RFC 5860, RFC 6371, G.8113.1)
- LPS (G.8131)
- ERPS (G.8032)

#### Time Synchron

- PTP

Veryx also offers conformance test suites for other network protocols including Layer 2 bridging, IPv4/v6 unicast and multicast routing and industrial networking.



Veryx Technologies provides innovative verification and measurement solutions for the global communications industry. Its flagship ATTEST testing framework is a robust, scalable and flexible test execution engine that helps customers reduce the time required for Ethernet testing and speed up their time to market.

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## Xena's High Performance Hardware Platform

Xena provides a flexible, high-performance hardware platform for a wide variety of Ethernet test applications.

Features	XenaCompact	XenaBay
Physical size	1RU	4RU
Rack mountable	Yes	Yes
Transportable	Yes	No
Supports 10/100/1000M	Yes	Yes
Number of 1Gb Ports (Copper and/or Optical)	1 to 6	1 to 72
Number of 10Gb Ports (Copper and/or Optical)	1 to 2	1 to 144
Number of 40Gb Ports	1 to 2	2 to 24
Number of 100Gb Ports	1	1 to 6
Wire-speed Operation	Yes	Yes
Simultaneous Operation	Yes	Yes
Support for RFC2544, RFC2889, RFC3918, & Y.1564	Yes	Yes
Support for ATTEST Test Suites	Yes	Yes



Xena Networks develops low-cost, simple to manage and easy to scale Gigabit Ethernet test solutions. We offer robust, very high-density platforms and a range of modules for testing 1 through to 100 Gigabit via an international network of partners.

## Next Steps

Learn more about the Ethernet test solutions developed by Xena Networks and Veryx Technologies by consulting the list of local resellers on our respective websites or contact either company using the contact details listed below.



Xena Networks is an award-winning manufacturer of advanced Gigabit Ethernet test and measurement solutions.



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Sales contact: sales@xenanetworks.com