# Ethernet Inline Protocol Analyzer

## Feature Highlights

- First and only 1G, 2.5G, 5G, 10G Ethernet capable packet capture & protocol analyzer

- NEW: Latency Monitoring! (measure 1-way latency of live network application packets)

- NEW: Streaming Capture! (view captured packets in realtime)

- 100% true line rate L1 bit capture and L2+ packet capture

- Industry's largest capture and record buffers

- Live user-filtered bandwidth statistics

- Customizable capture and display filters and triggers

- Intuitive browser-based interface and complete programmable RESTful API

- Nanosecond precision timestamps

- Hundreds of protocol decodes

- NEW: Automotive Ethernet (100BASE-T1 / 1000BASE-T1)

- Full transparency with non-retimed pass-through mode

## Overview

Aukua Systems MGA2510 Ethernet Protocol Analyzer is a stand-alone system providing validation, debug analysis and visibility capabilities for R&D, Test and Support engineers building Ethernet based IT, storage networking and communications systems.

The Aukua Protocol Analyzer delivers true 100% line rate, low latency, inline L1 bit capture, L2+ packet capture and protocol analysis. Data rates from 100Mbps to 10Gbps Ethernet, including the new 2.5Gbps and 5Gbps Ethernet rates (IEEE 802.3bz) and Automotive Ethernet (IEEE 802.3bp) are supported. And with the industry's largest capture buffers as well as nanosecond timestamp accuracy, unmatched visibility into Layer 1 thru Layer 7 bidirectional protocol communications is provided.

Advanced packet capture features enable users to control when and how packets are captured. Quickly capture hard to find issues with user customizable capture filters and the ability to trigger captures on specific incoming events and packet content. And ensure that issues are fully captured by controlling how much of the capture buffer is dedicated to pre-trigger and post-trigger packets. Users can further leverage the large buffers by using the packet filtering and slicing features.

The capture trace viewer provides complete binary, hex and protocol decode views. Searching and display filters enable users to quickly locate packets of interest even within the largest trace files. Understanding the timing of events is possible with a rich set of timestamp viewing options such as absolute and interpacket arrival time.

Other important features include real-time statistics, alarms and a full API allowing complete automation capability, further enhancing productivity and integration with other development and testing tools.

Our hyperfocus on building a truly intuitive user-experience ensures that the Analyzer is useful every time; even for the occasional user. First time users are productively testing within the first 10 minutes, even without training or assistance! This is in part thanks to a single, simple user interface that is served up from the Analyzer system without any software installations required. No complex initial chassis configuration or setup is required.

**First and Only Analyzer to support 10GBASE-T as well as the new 2.5G and 5G IEEE 802.3bz Ethernet rates!**

## Contact Aukua Systems to request the full Product Brief!

**Click to Request Full Product Brief**

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