

Aukua MGA2510



### Powerful all-in-one Ethernet Test, Troubleshooting and Monitoring System

The Aukua MGA2510 is a flexible Ethernet testing, troubleshooting and monitoring system capable of multiple key applications from the same hardware-based system.

Inline Packet Capture and Protocol Analyzer provides 100% line rate, low latency, inline capture, protocol analysis, and custom traffic visibility.

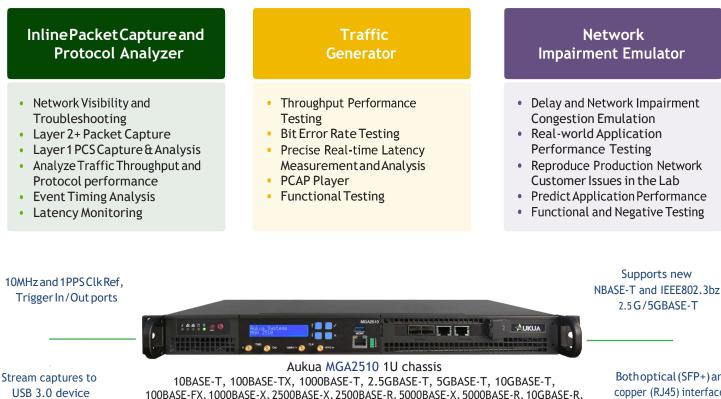
Network Impairment Emulator precisely recreates the delay, congestion and impairments found in all real-world data and storage networks.

**Traffic Generator** creates line rate L1-L3 traffic or can accurately replay capture trace files with multiple streams of virtually any protocol mix.

The MGA2510 is used by R&D, Test and Support engineers building, deploying and supporting Ethernet based IT, storage networking, automotive and industrial communications systems.



- HTML5 GUI and RESTful API - Real-time statistics, alarms and graphical analysis - No software installation or complex chassis configuration or setup required



100BASE-FX, 1000BASE-X, 2500BASE-X, 2500BASE-R, 5000BASE-X, 5000BASE-R, 10GBASE-R, USXGMII, SGMII, Automotive Ethernet (100BASE-T1, 1000BASE-T1)

Bothoptical (SFP+) and copper (RJ45) interfaces

Aukua Systems

01628 559980

www.gch-services.com

sales@gch-services.com

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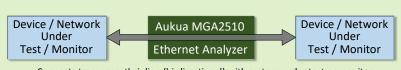


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## Feature Highlights

#### Inline Capture and Protocol Analyzer

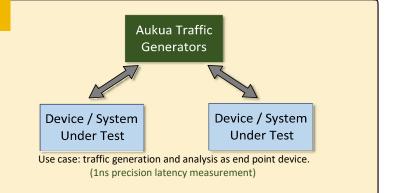
- Line rate Packet Capture 28GB buffer (orstream to USB device or SSH client)
- Advanced L1-L7 filters and triggers
- Layer 1 Ethernet PCS capture & analysis
- Custom Filter Analyzer (real-timestats and graphical analysis)
- Latency Monitoring and Event Timing Analysis (1ns precision; bi-directional)

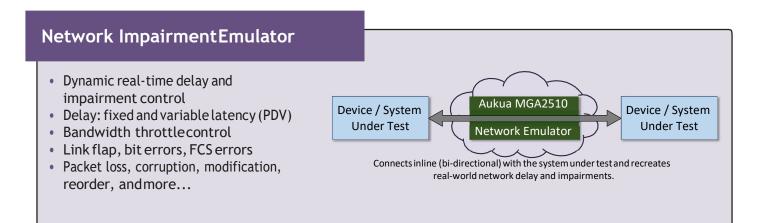


Connects transparently inline (bi-directional) with system under test or monitor. Optionally connect off a SPAN port or TAP. (errored and malformed traffic can also be captured)

#### **Traffic Generator**

- L1-L3 line rate traffic generator
- Latency measurement and analysis
- Bit Error Rate testing (L1-L4)
- Sequence Errortesting
- PCAP Player
- Auto negotiation visibility
- Generate runts, short IPGs, control transmit clock and much more...





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