

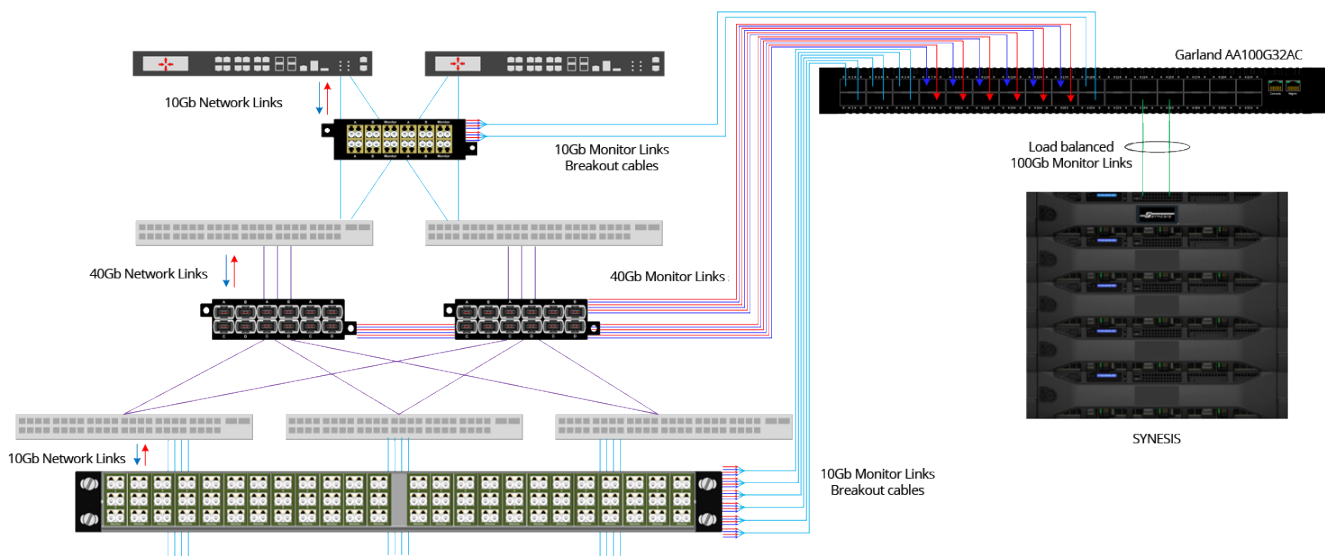
# SYNESIS and Garland Technology Combine for High Speed Data Capture

A joint solution from SYNESIS and Garland Technology

## Full Visibility Packet Capture and Storage Without Packet Loss

Today's corporate information systems utilize applications that connect numerous business offices. When communication quality deteriorates or a security issue arises, a system administrator's troubleshooting workflow includes going through massive volumes of timestamped packets, typical of conventional packet analyzers.

SYNESIS and Garland Technology offer an integrated solution to this problem via Garland Technology's high performance network TAPs and aggregators, that deliver a complete copy of network traffic to the SYNESIS Network Packet Recorder for high speed data packet capture, without sacrificing high fidelity lossless packet capture performance at any Ethernet speed: 1G/10G/40G/100G. Easily find and extract the corresponding packet data for network issues by using connection flows, including timestamp information, alerts based on thresholds, as well as site addresses, applications, and selected server information.



## Fully Distributed Visibility

Accomplish sustained data capture of up to 100Gbps, by deploying Garland Network TAPs sending multiple monitoring links to an Advanced Aggregator, where the many monitoring links can be aggregated down to just a few links. These aggregated monitoring links will fill the capacity of the monitoring links, making the most of the available ports on SYNESIS Distributed packet network recorder, providing permanent installations big data packet capture where extended storage is a requirement.

# Garland Technology

Garland Technology provides a full platform of network access products including a range of Network TAPs, Advanced Aggregators and Network Packet Broker devices, supporting the entire wire spectrum from 10/100M copper and 1G/10G/40G/100G

## Key Capabilities

- **Complete Network Visibility** by passing all live wire data
- **Ensure No Dropped Packets** for out-of-band tools
- **100%, failsafe packet capture** – all Network TAPs are tested and validated and have built-in failsafe and/or heartbeat technology.
- **Reliable traffic aggregation, load balancing, and filtering** – full control over traffic behavior and flexibility for aggregation and regeneration.

## About TOYO Corporation

TOYO Corporation is a Japanese technology company headquartered in Tokyo, Japan, with subsidiaries in the United States and China. Since its founding in 1953, TOYO has become the leading distributor of advanced measurement instruments and systems in Japan. TOYO also engages in original product designs and develops advanced solutions for many of the markets that it serves including automotive, sustainable energy, and cybersecurity industries. TOYO's innovative products are used by many leading companies in Japan, the United States and APAC countries, helping TOYO's customers accelerate development, reduce time-to-market, and improve product quality. For more information, please visit the company's website at [toyo.co.jp/english/](http://toyo.co.jp/english/). [toyotechus.com](http://toyotechus.com) (US) | [toyochina.com.cn](http://toyochina.com.cn) (China) | [synesis.tech](http://synesis.tech) (Japan)



# SYNESIS

SYNESIS Distributed provides permanent installations for big data packet capture where extended storage is a requirement. SYNESIS Distributed is ideal for Enterprise data centers, branch offices, small remote offices. It can even accommodate the high packet capture demands of Service Providers. It supports network interfaces of 1G, 10G, 40G, and 100G and guarantees packet capture performance up to 100Gbps with zero packet loss.

## Key Capabilities

- **Detection of microburst traffic** – SYNESIS will detect occurrences of microbursts against user defined threshold values during capture sessions. Related packets may be saved to trace files for more detailed analysis.
- **Greatly reduces the extraction time of trace files (AANPM analysis)** – SYNESIS incorporates the Application Aware Network Performance Method (AANPM) which can greatly reduce the time to detect and extract the target packet by saving a higher volume of information than current packet analyzers. This includes saving indexing information such as the IP address and ports concurrently during packet capture.

**Have Questions?** [sales@garlandtechnology.com](mailto:sales@garlandtechnology.com) | +1 716.242.8500 | [garlandtechnology.com](http://garlandtechnology.com)

Garland Technology is an industry leader delivering network products and solutions for enterprises, service providers, and government agencies worldwide. Since 2010, Garland Technology has developed the industry's most reliable test access points (TAPs), enabling data centers to address IT challenges and gain complete network visibility. For more information, or learn more about the inventor of the first bypass TAP, visit [GarlandTechnology.com](http://GarlandTechnology.com) or [@GarlandTech](https://twitter.com/GarlandTech).

