



## Challenge

Recently, a nationally recognized healthcare system with multiple hospitals, outpatient clinics, and specialty care centers serving hundreds of thousands of patients annually, came to Garland Technology to help solve several intersecting challenges uncovered while modernizing its network visibility and security infrastructure.

The provider needed to solve for securing IoT and medical devices, meet ongoing compliance pressures, and prepare for future scalability needs, while taking cost into account. This healthcare system needed a zero-disruption, scalable and fully integrated visibility solution to ensure that tools are receiving precise and actionable network traffic. Garland Technology proposed a solution designed with scalability in mind for high-bandwidth healthcare environments.

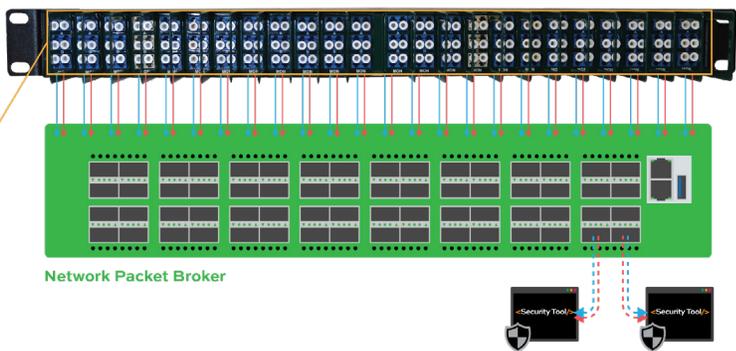
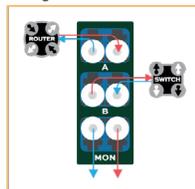
## The TAP to Tool™ Solution

1. Garland implemented a complete visibility solution that was easy to deploy, scalable for the future, and did not disrupt any critical operations.
2. At the heart of the solution was a modular chassis populated with numerous fiber Network TAPs, giving the hospital passive access to all east-west and north-south network traffic across critical hospital systems.
3. Rather than interrupting the network or relying on fragile SPAN ports, the TAPs copied the network traffic without introducing any latency, risk or configuration changes. All of this, done in a single chassis, keeps the setup clean, efficient and easy to manage.
4. Captured data was sent to a network packet broker, which aggregated traffic from the TAPs, deduplicated and filtered out irrelevant data before forwarding it to the hospital's existing security, compliance and monitoring tools.
5. By consolidating multiple TAPs into one modular chassis and using high-performance aggregation, the system reduced operational overhead, while leaving room to grow as bandwidth demands increases or additional tools are brought into the environment.

## Benefits

- Delivered real-time, 100% network visibility
- Enabled secure traffic delivery to monitoring systems without impacting network performance
- Created a future-proof architecture with ample capacity to scale visibility and monitoring efforts
- Empowered security and networking teams with accurate data
- Lower total cost of ownership

24 Passive Fiber TAPs in a single FMC-1U Rack.



### Have Questions?

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