

Empowering You With Knowledge, Configuration, Delivery and Control...

Point-to-Point Radios

Point-to-point broadband is an ideal solution for many unique applications: hot spots, backhaul, security/surveillance and more.

Point-to-Multipoint Radios

multiple locations to one central point in applications such as public safety, hospitals, business, and more.

Mesh Radios

Instantly deploy wireless networks to easily connect your network to printers, servers, surveillance cameras, and more.

SCADA Radios

Gather real-time data, so you can wirelessly monitor or control equipment in pipelines, plants, refineries, and more.

Broadband System Accessories

Like antenna tracking systems can locate, maintain and continuously optimize connections between wireless broadband access points.

Cellular Gateways/ Routers/Automation

for broadband radios support and provide real-time data for your network whether in public safety, security, remote monitoring, or more.

Enterprise Wireless Network Applications:

- ✓ Deliver Broadband Internet Access
- ✓ Leased Line Replacement - eliminate costly telecom costs
- ✓ Inter-building LAN extension
- ✓ Wireless LAN / WAN / MAN
- ✓ Increase network capacity and reliability
- ✓ Add redundancy to critical communication links
- ✓ Centralize servers, data storage and backup
- ✓ Remote video surveillance monitoring, video conferencing
- ✓ Multi-location voice-over-IP (VoIP)
- ✓ Connect remote buildings/networks that are several miles apart
- ✓ Telemedicine and distance learning

TRIWAY WIRELESS

Knowledge

Transforming information into the intelligence to design, implement, and support your system.

Configuration & Design

Architecting the End-to-End Solutions, Ready for Immediate Deployment to Meet Your Requirements

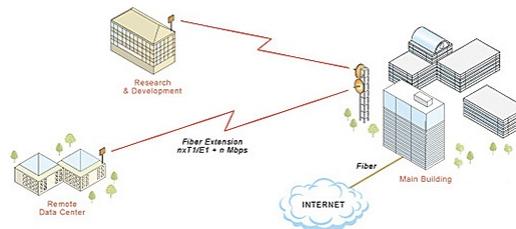
Delivery

Delivering what you need, when and where you need it®

Control

Building Certainty Into Your Supply Chain, From Start to Finish

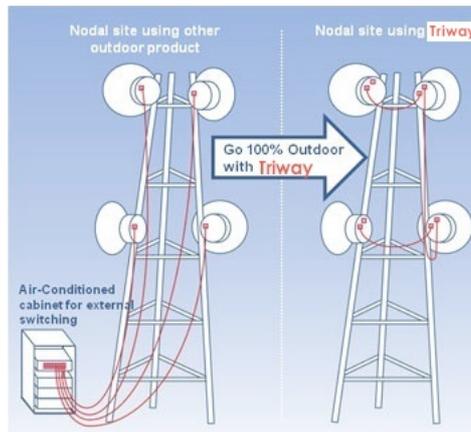
Fiber Extension



Triway offers the most comprehensive selection of outdoor and indoor wireless broadband radios for Point-to-point, point-to-multipoint, mesh, or SCADA applications. Options include various licensed and unlicensed frequencies with speeds from 1Mbps to 4 Gbps.

Replace Leased Lines

Replacing leased access lines eliminates expensive recurring fees and allows increased network performance, greater reliability and scalable growth capability with a packet based Ethernet network...



FDD vs. TDD

There are two main techniques for dividing forward and reverse communications channels on the same physical transmission medium:

- Time Division Duplex (TDD)
- Frequency Division Duplex (FDD)

Time Division Duplex (TDD)

TDD is ideally suited to the transportation of asymmetric traffic by providing adaptive uplink (UL) and downlink (DL) channels that are derived from a singular frequency set. In retrospect, TDD divides the data stream into frames and assigns them different time slots that allow for a shared transmission medium (Same Frequency), while reducing the amount of bandwidth that is required. With this Duplex scheme, the user has the ability to assign values for both UL/DL and reduces overhead by limited the guard band that is required to separate UL and DL channels.

Product Example:

- ❖ Triway MIMO Series Radio has a TDD Duplex Scheme. This TDD radio can be dynamic or fixed; same or split frequency Tx/Rx.

Overview: TDD emulates full duplex communication over half duplex communication links. It is ideal for IP, VoIP, and Video.

Frequency Division Duplex (FDD)

FDD is a Duplex method that assigns distinct frequency channels for both the transmitter and receiver. Due to the symmetric nature of FDD transmission channels, FDD is the ideal choice for TDM analog voice applications. By proving a 50/50 split between UL & DL, FDD applications greatly reduce latency along with providing simpler radio planning (UL & DL do not hear each other).

Overview: FDD provides even UP & DL speeds and provides a complete Full Duplex Solution. It is ideal for TDM and Analog voice circuits.

Example: Triway is also a FDD (IP) Radio.