Discover Fast, Reliable IP Data Transport over Free Topology Media

FT 6050

Open System Product Family

FT 6050

- SoC with built-in LON, LON/IP, BACnet/IP and BACnet MSTP protocol stacks

SmartServer™ IoT

- Builds a community of BACnet and LON devices

IzoT Net Server

- Open platform software for creating and managing a network of devices

IzoT Commissioning Tool

- Easy-to-use front end GUI for creating a device network using drag and drop capabilities

New open systems solution supports BACnet/IP and LON/IP over easy-to-install free topology (FT) media

Get the best of both worlds by combining the strengths of BACnet® and LON® for the first time using the FT 6050 Smart Transceiver from Adesto.

This revolutionary open systems approach allows BACnet workstations as well as LON integrator tools to **natively** configure, provision and monitor either LON or BACnet based controllers. It also offers opportunities for lower cost installation and superior performance.

Enjoy freedom of choice:

- Ability to incorporate the widest range of applications, device types and data types available for smart buildings
- Ability to select from the widest range of product ecosystems including BACnet and LON certified devices

Reduce costs and improve performance with FT media

From installation to operation, FT (Free Topology) media is advantageous compared to traditional wiring, dramatically reducing the cost of ownership.

Free Topology is defined by the international standard ISO/IEC 14908-2. The topology allows allows loop, star, bus or any wiring configuration with very high levels of immunity.

Media choices include low cost, unshielded twisted pair wires. Free Topology is polarity insensitive and requires only two connections per device.

Benefits of FT media versus BACnet MSTP:

- Free wiring topology with minimal installer training required
- Most reliable fault tolerant system with high immunity to noise
- Easy fault detection for repairs

Benefits of FT media versus Ethernet

- Low cost of installation without need for home-run wiring
- Eliminates need for IT involvement and routing infrastructure
- Eliminates cyber security risks

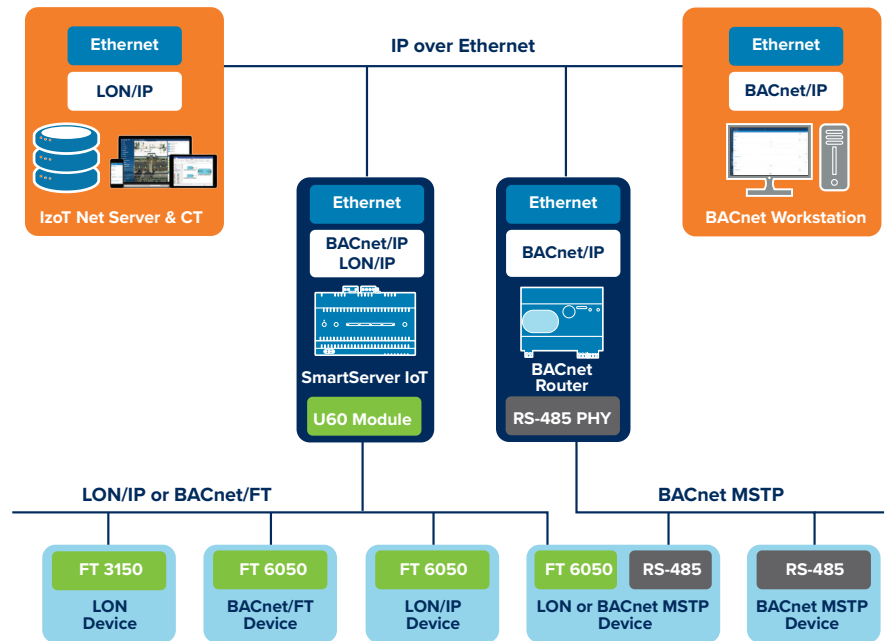## PLEASE CONTACT US TO LEARN MORE

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Single system approach

Designing a single system solution enables integrators to combine the strengths of the two most popular open building automation protocols, maximizing flexibility and improving results:

- Discover and monitor LON, LON/IP, BACnet/IP and BACnet MSTP devices in a single network using BACnet workstation or LON network manager and integrator tools
- Use the rich set of functionality available from a BACnet workstation for either BACnet or LON devices
- Take advantage of the powerful multi-application device interoperability of LonWorks
- Learn and maintain a single open multi-vendor tool for system integrators
- Harness the flexibility of FT 6050, which enables each device to communicate either as a LON/IP or a BACnet/IP device on the same network

Additional resources

- Learn about the benefits of free topology compared to RS-485 in the paper "ISO Standard FT Networking Delivers Superior Connectivity for IoT Devices"
- Complete information about the FT 6050 Smart Transceiver is available on the product webpage and datasheet

Echelon by Adesto

www.adestotech.com