
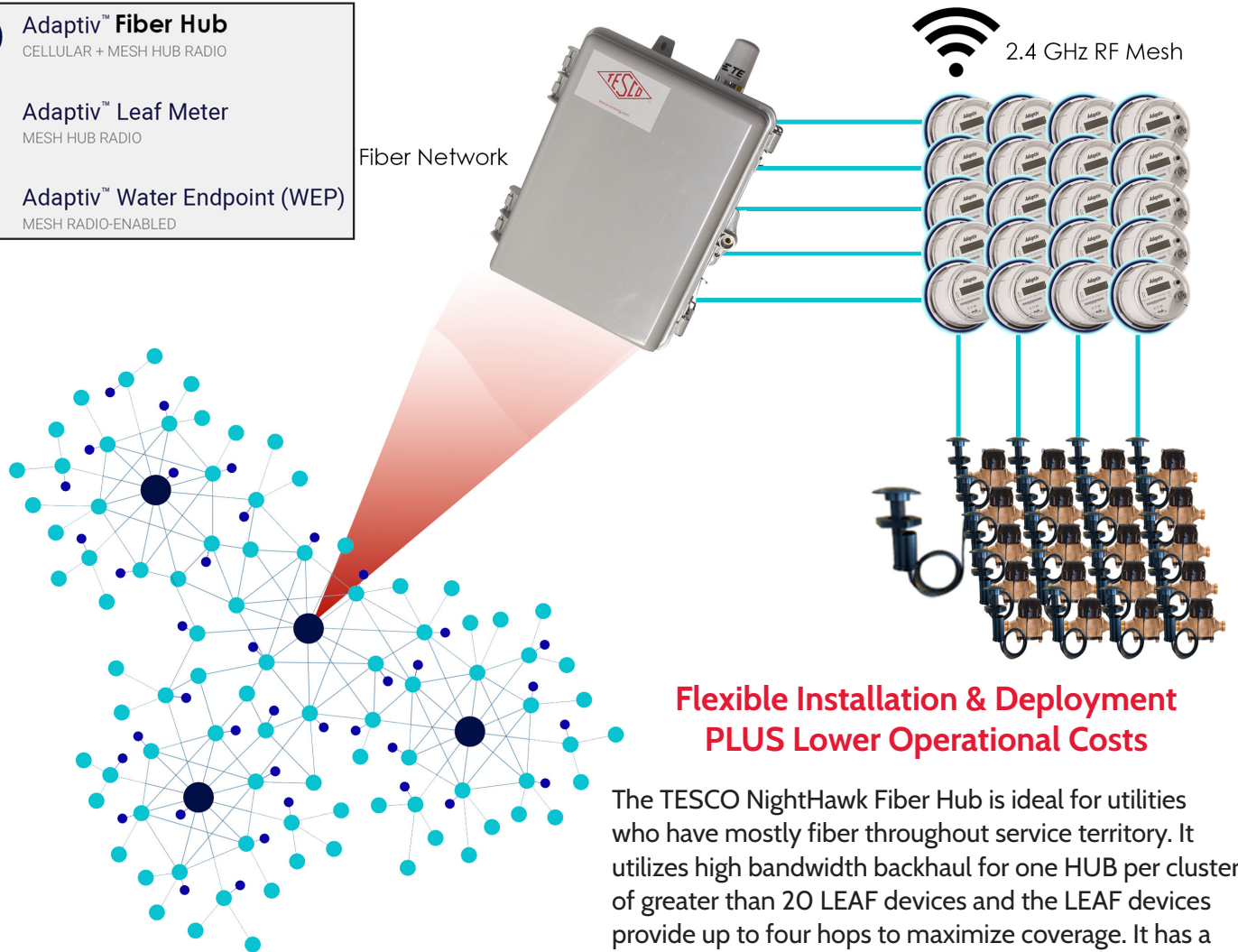


FiberHub

-  **Adaptiv™ Fiber Hub**
CELLULAR + MESH HUB RADIO
-  **Adaptiv™ Leaf Meter**
MESH HUB RADIO
-  **Adaptiv™ Water Endpoint (WEP)**
MESH RADIO-ENABLED



Flexible Installation & Deployment PLUS Lower Operational Costs

The TESCO NightHawk Fiber Hub is ideal for utilities who have mostly fiber throughout service territory. It utilizes high bandwidth backhaul for one HUB per cluster of greater than 20 LEAF devices and the LEAF devices provide up to four hops to maximize coverage. It has a maximum HUB capacity of 150 LEAFs.



Nighthawk

NIGHTHAWK

FiberHub

Utilize High Bandwidth
Backhaul Without Adding
New Infrastructure

TECHNICAL SPECIFICATIONS

Power Supply: 120/240 VAC input with a locking power cord

Size: 15.5" x 10" x 6.875" (compact for wall or pole mounting)

Operating Temperature: -4°F to 149°F (-20°C to +65°C)

External I/O: 12V DC output for downstream devices (optional)

Network Connection:

- Primary Uplink: RJ-45 Sealed Connector – 100Base-TX Ethernet
- Future Expansion: Support for cellular-based uplink to replace fiber if needed

Mesh Communication:

- 2.4 GHz RF Mesh Antenna (Supports greater than 20 LEAF devices per hub)
- Supports up to three (3) hops to maximize coverage

Processor: ST Micro STM32F767ZIT6 (Supports firmware updates over-the-air)

Security & Encryption: End-to-end encryption for data security

Battery Backup: 10-minute rechargeable backup for last-gasp outage transmissions

LED Status Indicators: Power, network uplink, & alarm status

