Eaton **Predict***Pulse*™ wireless solution

Eaton's PredictPulse remote monitoring and predictive analytics service is now compatible with a wireless 4G/ LTE cellular modem for customers to connect their Eaton UPS using an AT&T broadband data network. Eaton provides an easy to deploy solution along with a data plan tailored for PredictPulse compatible devices. This modem can be used either as a primary or backup transport method instead of, or in addition to, a traditional SMTP relay (or Office 365) network connection.

Eaton's strategic partner, AT&T, has pioneered the ability to support Internet of Thing (IoT) UPS devices via an encrypted 4G/LTE cellular data network and supports PredictPulse using AT&T's Industrial Internet VPN between each subscribing UPS and Eaton's cloud based service.

Key features:

Save time

- **Easy to install PredictPulse NA IoT 4G Wireless Modem Kit** (P-103003239) compliant with all Eaton UPS models
- **Can be self-installed or Eaton field technician** installed (5x8 labor SW06NXXX-003X, 7x24 labor SW05NXXX-003X), typically mounted on top of the UPS
- **Modem includes a DC power supply** (requires a 120VAC outlet), installation instructions and PredictPulse/connectivity configuration guide
- **AT&T offers custom installation services** for customer sites with weak signal coverage or special installation requirements (contact Eaton PredictPulse support team)

Save money

- **High performance and high availability** with less latency, packet loss, jitter and downtime than alternative solutions
- **T**he wireless modem can be attached to one or more Eaton UPSs by use of a customer supplied ethernet 4-16 port switch and customer provided ethernet Local Area Network (LAN)
- **PredictPulse AT&T IoT Data Plan** (part number AT01NXXX-1) is ordered per UPS device, per year, to offer customers a comprehensive service solution for PredictPulse devices

Reduce risk

- **Enterprise-grade network security,** isolating traffic to decrease the risk of DDoS and other potential internet-facing threats
- **Data connection is encrypted** and uses one-way outbound email insuring security of data and device controls; wireless modem uses its own Eaton network connectivity card to isolate the PredictPulse outbound-only data and cellular data from any customer network connection

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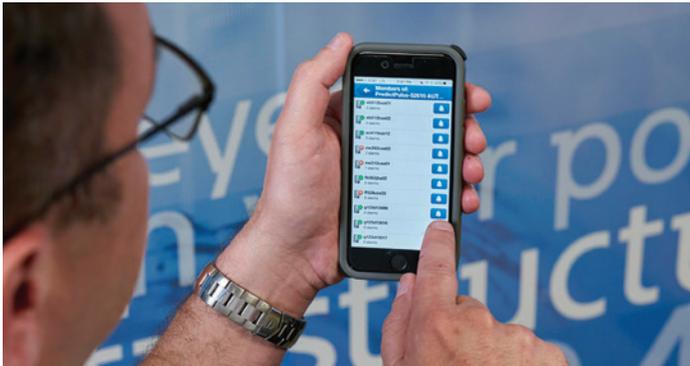*Powering Business Worldwide*

Wireless requirements

- **Each wireless modem requires** a 120VAC convenience outlet, preferably UPS protected
- **Each UPS connecting to a wireless modem requires** its own dedicated connectivity card (and EMP for temperature and humidity data)
- **Customers are responsible for** any inside ethernet wiring between multiple UPSs and power source
- **Each UPS connected to a wireless modem requires** a PredictPulse ATT Data Plan (per device/year) added as a service contract item
- **Optional UPS Accessories Power (UAP) field upgrade** (available 2018) adds a protected 120VAC convenience outlet to most Eaton 3-phase UPSs to power the modem
- **Each UPS device requires** its own PredictPulse subscription in addition to the PredictPulse ATT Data Plan

Advantages of PredictPulse wireless solution

- **Security:** Eaton's PredictPulse uses centralized routing technology that isolates each organization's traffic from other cloud or Internet traffic. This provides enterprise-grade network security for all UPS devices. Alarms and telemetry data are delivered through a Multiprotocol Label Switching (MPLS) private network connection, thereby decreasing the risk of DDoS attacks and similar Internet-facing threats. As organizations put more and more high-risk data into cloud environments, they need this kind of highly secure protection.

- **Adds redundancy and resiliency** where used either as a primary or backup transport method instead of, or in addition to, a traditional SMTP relay (or Office 365) network connection.

- **Performance and availability:** Because traffic is routed directly to the cloud services, there will be less latency, packet loss and jitter. Eaton's PredictPulse customers have experienced lower latency and three times greater availability when compared to traditional Internet connectivity. Availability is also enhanced by the fact that redundancy is built in and pre-configured.

- **Simplification and control for IT governance and compliance:** Organizations can be up and running in minutes using Eaton's on-demand provisioning. With a VPN-based service like Eaton's PredictPulse, all elements are pre-integrated and already deployed within the UPS solution.

PredictPulse mobile app

When you're on-the-go, the PredictPulse mobile app keeps you connected to your devices by providing an overview of open alarms.

To learn more about PredictPulse, visit **Eaton.com/PredictPulse**

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