

# Advanced Metering Solutions From Telescada

## PRODUCT BRIEF

## NeXGen™ AMI



The Telescada NeXGen™ AMI Wireless Advanced Metering Infrastructure device is a powerful, flexible and economical solution for 2-Way wireless, automatic meter reading, status monitoring, alarming and control. Built upon a modular framework, the NeXGen™ AMI meets the needs of distribution engineers for the monitoring, recording and control of remote electrical services.

The NeXGen™ AMI provides users with a core of 4 independent digital status points usually configured as 2 sets of KYZ pulse accumulators. The NeXGen™ AMI can also transmit data from an IED (intelligent electronic device), or smart meter via its RS-232 serial communications link.

The NeXGen™ AMI includes an integrated momentary “Form C” (SPDT) control relay rated for 30A at 250 VAC, 20A at 28 VDC for remotely actuated load control.

The NeXGen™ AMI's line voltage measurement input provides single phase AC line voltage measurement accurate to +/- 1% at 117VAC.

An internal 2.4Ghz meshing spread spectrum radio allows the NeXGen™ AMI' to transmit meter data to a central data concentrator. An additional remote communication port allows for configured remote data transmission via higher power radio, dial-up, cellular or other transceiver. A local maintenance port allows for direct interrogation and programming of the NeXGen™ AMI using the NeXGen™ *Link* Maintenance Utility Software.

DNP3.0 standard communications protocol allows the data concentrator for a group of NeXGen™ AMI units to communicate with any modern SCADA system.

### ■ Digital Inputs

- 4 (four) Optically Isolated Digital Inputs configured as up to 2 (two) KYZ Pulse Accumulators
- RS-232 IED “Smart Meter” Input
- Data Recording on Each Channel

### ■ AC Line Voltage Measurement Input

- Single phase
- +/- 1% accuracy @ 117VAC
- Line Voltage Data Recording

### ■ Control Relay

- 1 (one) Form C (SPDT)
- Rating, 30A at 250 VAC, 20A at 28 VDC
- Configured as timed, momentary or latching

### ■ Communications

- Internal ISM 2.4 GHz , 50 mW (+17 dBm) meshing transceiver
- 1 (one) RS-232 Remote Communication Port
- 1 (one) RS-232 Shared Local Port
- DNP3.0 Protocol Standard

### ■ Power Supply & Physical Form Factor

- 120, 240, VAC Input Options
- 7.5 x 6.0 x 3.0” NEMA 4X Enclosure

### ■ Environmental

- Operating Temperature range: -40° to +80°C
- Storage Temperature: -40° to +90°C
- Humidity: 93% non-condensing at 55°C

**Monitor, Alarm, Record, Communicate and Control**

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35 Corporate Park Drive  
Pembroke, Massachusetts, USA  
TEL: 781-829-9228 FAX: 781-829-9875  
[info.desk@telescada.com](mailto:info.desk@telescada.com)