

Commercial + Industrial: E650 S4x Ethernet

Enhanced Metering for Commercial and Industrial Applications

The E650 S4x Ethernet electric endpoint sets a new standard for cost-effectiveness and versatility on a Commercial and Industrial metering platform. Expanding the communication technologies offered on Landis+Gyr's industry-leading C&I platform, the E650 S4x Ethernet endpoint is an 'under glass' solution that provides wired IP access to electrical meters across your service territory.

PRIMESTONE INTEGRATION AND WEB PORTAL ACCESS FOR UP-TO-THE-MINUTE INFORMATION

- Communication with PrimeStone's PrimeRead headend software
- Secure web portal access to individual meters
- Access to up-to-the minute information including status, meter information, meter reads, instantaneous readings, and billing data

ETHERNET CONNECTIVITY AND SECURITY

- Supports either Dynamic or Static IP addressing modes through an under the glass RJ-45 Ethernet communication module
- Supports Secure Shell (SSH) cryptographic network protocol using RSA encryption for secure connectivity without the bandwidth limitations of wireless networks

HIGH-RESOLUTION C&I METROLOGY

- High-resolution, four-quadrant measurement of active and reactive energy, load profile, and TOU allow utilities to take full advantage of advanced grid management technologies
- Provides two alternative methods for calculating reactive and apparent energy and demand values
- Can be either directly measured or vectorially derived, giving an electric utility the ultimate flexibility in measurement and billing
- Stores metrics with milli-unit + micro-unit resolution, a significantly higher resolution than most competitive C&I meters

EXPANDED MEMORY AND PROCESSING POWER

- Industry-leading RAM, ROM and non-volatile memory for load profile, self-reads and event logs.
- Standard 16-channel load profile memory of 256 KB can be upgraded to 1 MB without the need of additional hardware
- Optional 16 channel recorder
- Load profile data stored in 32 bit registers that can easily handle increased data resolution with interval overflow



E650 S4x Ethernet Product Specifications

GENERAL SPECIFICATIONS	
ANSI C12.19 Standard Protocol	
Wired RJ-45 Ethernet Connection	
Interface with PrimeStone PrimeRead Head-End Software	
INTERNET INTERFACE STANDARDS	
Support	Dynamic (DHCP) or Static Addressing
	Secure Shell (SSH) (using RSA Encryption)
	Synchronous Time (via NTP Server)
	IPv6 Protocol
TEMPERATURE	
Operating Temperature	-25°C to +85°C
VOLTAGE	
Nominal Voltage (Standard Power Supply)	120-480V 2 and 3 Wire - 120, 208, 240, 277, 347, 480 4 Wire - 120/208, 240/416, 277/480, 347/600
Operating Voltage (Standard Power Supply)	98 to 552 VAC (line to neutral) Auto Ranging Power Supply
Frequency	50 or 60Hz ± 5%
Humidity	Less than or equal to 95% relative humidity, non-condensing
AVAILABLE FORMS	
Self-Contained S-Base	2S, 12S, 14/15/16/17S, 25S, 1S, 2SE, 12SE, 14/15/16/17SE, 25SE
Transformer Rated S-Base	3S, 3SC, 4S, 8/9S, 45S, 36S, 29S
APPLICABLE STANDARDS	
ANSI C12.1 for Electric Meters	
ANSI C12.19 Standard Protocol	
LAPEM GWH00-05 & 48 Certified, 9S and 16S only	

This information is provided on an "as is" basis and does not imply any kind of guarantee or warranty, express or implied. Changes may be made to this information.