TECHNICAL DATA SHEET

REMOTE LINK PORTABLE GATEWAY

ORDER CODE: P-GTW-BL300
PRODUCT CATEGORY: GATEWAYS

Collect Sensor Data Anywhere – No Network Required.

PRODUCT OVERVIEW

General Description

E4A's Portable Gateway enables rapid, on-demand sensor data collection where traditional network infrastructure is unavailable, impractical, or time-prohibitive. Utilizing Bluetooth® 5 connectivity, the P-GTW-BL300 securely gathers and stores data from nearby wireless sensors without the need for LAN cabling, fixed gateways, or permanent power sources.

Designed for flexible deployment in demanding environments, the P-GTW-BL300 operates using an internal battery or external power for extended operation. Encrypted sensor data is automatically transferred to a user's mobile device as a CSV file when in close proximity, providing secure, cable-free access to critical operational data.

PORTABLE MONITORING MADE SIMPLE

STEP 1

Securely mount the gateway, ensuring it is within communication range of the sensors for data collection.

STEP 2

Pair gateway with sensors to enable secure connectivity and reliable data collection.

STEP 3

Pair cellphone with gateway to download the CSV file containing sensor-collected data.

TECHNICAL SPECIFICATIONS

Power Supply	
Main Power	7-15VDC @ 1.5A (external adapter)
Other Power (Optional)	USB Type B (5VDC @ 500mA) Internal Battery (3.6VDC, 3500mAh Li-ion)
Maximum Charging Current	1.5A (AC/DC adapter) 500mA (USB Type B)
Li-ion Charge Time	2.2H/3.2H (AC/DC adapter) 6.6H/7.6H (USB Type B)

Operating Specifications	
Operating Temperature	-20°C to +60°C (lead-acid powered)
Internal Battery	Battery charging disabled >45°C Battery charging disabled <10°C Battery discharging disabled >60°C
Storage Temperature	-40°C to +85°C (with battery) -40°C to +85°C (without battery)
Operating Humidity	20-85% (operating and storage)
Ingress Protection Rating	IP30
Pollution Degree	2

Measurement Characteristics	
Temperature Measurement	-20°C to +60°C (±0.5°C accuracy)
Humidity Measurement	20-85% relative humidity (±3.5% accuracy)

Physical Characteristics	
Housing Material	Flame Retardant Polycarbonate/ABS
Physical Dimensions	Height: 120mm / 4.7 inches Width: 50mm / 1.9 inches Depth: 90mm / 3.5 inches
Weight	250g
Mounting	Universal 35mm DIN rail

Communications	
Wireless Module	2.4GHz Bluetooth® 5 transceiver
Communication Range	125m line of sight
Communication Interval	Local memory storage (CSV output)

Security	
Encryption	AES 128-bit crypto accelerator ECC and RSA public key accelerator (PKA) SHA2 accelerator (full suite to SHA-512) True Random Number Generator (TRNG)

User Interface	
Indicators	Front fascia membrane (red, green, amber LED)
User Interface	2 push buttons (user-programmable) 1 power button 2 rotary encoders

PRODUCT CERTIFICATIONS

FCC ID	2AXVKPGW01
Industry Canada	26661-PGW01
Safety Standards	CSA C22.2 No. 61010-1-12 and AMD 1:2018 CSA C22.2 No. 61010-2-030:18 UL 61010-1 3rd Edition: 2018 UL 61010-2-030 Ed.2:2018

SCAN HERE!

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