Nexus Gateway

Nexus Lite · Formerly Sold as Nexus



2 × CAN	1 × RS485	12–60 Vdc	5 W
Isolated · RJ45	Modbus · RJ45	Power input	Power consumption

Specifications

The AERL Nexus is a communications gateway for real-time monitoring, configuration and control of distributed energy systems through AERL Cloud. It connects to the energy system over isolated CAN bus and Modbus RS485, and to the internet over Ethernet or dual-band Wi-Fi.

General

Weight
350–400 g

Dimensions (W × H × D)
105 × 160 × 35 mm

Enclosure type
Indoor Type 1 / IP20

Mounting method
Wall or DIN rail

Input power
12–60 Vdc
5 V USB-C (power input only)

Power consumption
5 W

Interfaces

CAN bus ports
2 – RJ45

Modbus RS485 ports
1 – RJ45

Ethernet ports
1 – RJ45

USB-C power input
1 – USB-C (5 V power only)

Dual band Wi-Fi
Yes

Encryption
SSL/TLS

Environmental

Operating temperature
−20 to 50 °C

Storage temperature
−40 to 70 °C

Ordering

Model
Nexus Lite

Part number
NEXUS-LITE

Warranty
2 years

AERL Cloud compatible

Real-time monitoring, configuration and control of the connected system from AERL Cloud.

Isolated CAN bus & RS485

Two CAN bus ports and one Modbus RS485 port, all on RJ45.

Wi-Fi & Ethernet

Dual-band Wi-Fi or wired Ethernet, with SSL/TLS encryption.

12–60 Vdc power input

Powered from the system's DC supply, or from 5 V over USB-C.

AERL reserves the right to change any product, product specifications and data without notice to improve reliability, function, or design or otherwise.

Manufactured by

Australian Energy Research Laboratories
1/75 Bluestone Circuit, Seventeen Mile Rocks
QLD 4073

Warranty

2-year warranty

Contact

sales@aerl.com.au
aerl.com.au