Wherever reliable network communications and cost are important, more companies are using Power over Ethernet (PoE) devices. Vaisala vNet PoE network interface brings easy connectivity with Vaisala DL series data loggers at a lower cost than alternative networking devices.

The snap-in design streamlines data logger connectivity into a small footprint, eliminating wires between normally separate data loggers and PoE devices. When power and data are carried over the same cable, you can also eliminate the cost of installing an AC power source. vNet PoE integrates VL and SP data loggers without compromising their high accuracy. It brings greater flexibility and simplicity to the deployment of Vaisala Continuous Monitoring system.

The viewLinc Aware function in viewLinc monitoring software allows you to quickly configure data loggers, alone or in batches. Simply place data loggers in a vNet cradle, connect to a Local Area Network, and viewLinc discovers and configures the data loggers.

vNet PoE interface comes in four models:
- CDL-VNET-P with a fan inside the cradle for data loggers with an internal temperature channel
- CDL-VNET-LP without a fan for data loggers without an internal temperature channel
- CDL-VNET-PC with 15 V output to power external sensors and transmitters; includes internal fan
- CDL-VNET-LPC with 15 V output to power external sensors and transmitters; without internal fan

There is also an option to power the interface with AC. Select the model that fits your application to monitor and record temperature, humidity, CO₂, differential pressure, door switches, and many other parameters.
### Technical Data

#### Measurement Performance

**Heating Effect on Measurements**
- CDL-VNET-P and CDL-VNET-PC: Temperature rise from electronics (important only for data loggers with internal sensors): < 0.05 °C as seen by the data logger sensor
- CDL-VNET-LP and CDL-VNET-LPC: Not to be used for data loggers with internal sensors

#### Operating Environment

- **Operating temperature**: -25 ... +70 °C (−13 ... +158 °F)
- **Storage temperature**: -40 ... +85 °C (−40 ... +185 °F)
- **Operating humidity**: 0 ... 90 %RH (non-condensing and not to exceed a mixing ratio of 38.5 g/kg)

#### Inputs and Outputs

- **Ethernet connectivity**: IEEE 802.3af (Class 1) 1), bandwidth 10Base-T
- **Connectivity cable**: Category 5/5e RJ-45 connector 1.83 m (6 ft)
- **Operating voltage**: 12 ... 30 VDC, plugs into vNet jack labeled 12 V
- **CDL-VNET-P and CDL-VNET-LP**: Not available
- **CDL-VNET-PC and CDL-VNET-LPC**: Nominal: 15 VDC, maximum: 350 mW

#### Power Consumption

- **CDL-VNET-P and CDL-VNET-LP**: Typical: 625 mW, maximum: 700 mW
- **CDL-VNET-PC and CDL-VNET-LPC**: Typical: 900 mW, maximum: 1.35 W

#### Power Supply

- **North America**: 12 VDC / 0.5 A max. out, 120 VAC in
- **International**: 12 VDC / 1.66 A max. out, 100 ... 240 VAC in

1) Max. PSE power reservation is 4.00 W.  
2) Optional for use without PoE.  
3) Included but not required when using PoE.

#### Mechanical Specifications

- **Dimensions (H × W × L)**: 43 × 102 × 102 mm (1.7 × 4.0 × 4.0 in)
- **Weight**: 180 g (6.3 oz)

---

Published by Vaisala | B211043EN-F © Vaisala 2019

All rights reserved. Any logos and/or product names are trademarks of Vaisala or its individual partners. Any reproduction, transfer, distribution or storage of information contained in this document is strictly prohibited. All specifications — technical included — are subject to change without notice.