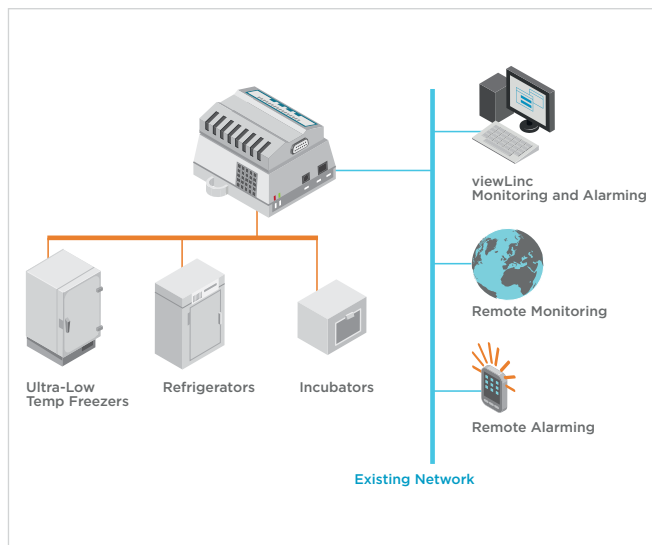


Vaisala vNet Power over Ethernet Data Logger Interface



vNet Power over Ethernet interface with VL-2000 temperature and humidity logger.

Benefits

- Eliminates the cost of wiring AC power to each monitored point.
- Data loggers can be installed wherever a LAN cable can be run.
- Increased data communication protection from power outage because the server room's UPS can provide backup power.
- Plug and Play connectivity when using viewLinc Aware function.

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

The snap-in design streamlines logger connectivity into a small footprint, eliminating wires between normally separate 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.

The vNet PoE integrates VL and SP data loggers without compromising their high accuracy. It brings greater flexibility and simplicity to deploying the 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 loggers.

The 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 15V output to power external sensors and transmitters; includes internal fan
- CDL-VNET-LPC with 15V output to power external sensors and transmitters; without internal fan

There is also an option to power the vNet device 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

vNet PoE Interface

	FEATURE
Logger Compatibility	v6.00 hardware and higher (Includes Models: VL & SP 1000, 1700, 1200, 1016, 1416, 1400, 2000, 4000)
Ethernet Connectivity	IEEE 802.3af, 10Base-T
Connectivity Cable	Category 5/5e; RJ-45 connector; 1.83 m (6 ft.)
LED Indicators	link, activity, power, logger communications
Device Configuration	HTTP Web Interface, PC-based configuration wizard
Addressing	DHCP/RARP, ARP-Ping, Static IP for IP address assignment, Net BIOS name
Firmware	Field upgradable firmware
viewLinc Aware	Requires one vNet to be programmed with the viewLinc server IP address. Other vNets on the sub-net will automatically self-configure
Power Consumption	
CDL-VNET-P & CDL-VNET-LP	625 mW typical, 700 mW max
CDL-VNET-PC & CDL-VNET-LPC	900 mW typical, 1.35 W max.
Power Supply (Included but not required when using PoE)	
	North America: 12 VDC/0.5 A max out, 120 VAC in
	International: 12 VDC/1.66A max out, 100-240 VAC in

Power Input (Optional for use without PoE)	12-30 VDC, plugs into vNet jack labeled 12 V
Power Output	
CDL-VNET-P & CDL-VNET-LP	Not available
CDL-VNET-PC & CDL-VNET-LPC	15 VDC nominal, 350 mW max.
Regulatory	FCC Class A, CE, EN 55011, Group 1, Class A; EN 16000-4-2 to -6, RoHS; WEEE
Heating Effect on Measurements	
CDL-VNET-P & CDL-VNET-PC	Temperature rise from electronics (important only for loggers with internal sensors): less than 0.05 °C as seen by the logger sensor
CDL-VNET-LP & CDL-VNET-LPC	Not to be used for loggers with internal sensors.
Environmental Operating Range	
	-25 °C to 70 °C (-13 °F to 158 °F), 0 to 90 %RH non-condensing and not to exceed a mixing ratio of 38.5 g/kg Storage: -40 °C to 85 °C (-40 °F to 185 °F)
Dimensions/ Weight	
	Width: 10.2 cm (4.0"); Length: 10.2 cm (4.0"); Height: 4.3 cm (1.7"); Weight: 180 g (6.3 oz)



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