

CALISTO N1

Intelligent networked data aggregation

ADD KNOWLEDGE TO YOUR MONITORS



VERSATILE AND COMPACT DATA LOGGER

The Calisto N1 is a compact data logger with Remote Terminal Unit like capabilities, powered by doblePRIME software. It provides a built-in web server to manage user access, alert settings, alert management and data visualization. Standard communication protocols include Modbus and DNP3, allowing data to be moved between Calisto N1 and other applications such as SCADA. Integration with other Doble devices that also run PRIME application is seamless and easy via a proprietary protocol.

It is the perfect match to integrate and manage Calisto H1 Dissolved Gas Analyzer monitors. Up to eight Calisto H1 monitors can be powered via the Calisto N1 and integrated into the PRIME system and readouts of the hydrogen concentration can be taken directly from the front display.

FEATURES

- The 4AD built in is an analog/digital data recorder that accepts current (4-20mA) or voltage (0-10V) and integrates and displays data from multiple sensors. Alerts and status from dry contacts can be wired to the Digital Input channels, enabling alarms to be raised on logical state change.
- Serial communication ports to poll data from data sources in the field such as DGAs, power meter and other Intelligent Electronic Device (IED). The IEDs can be daisy-chained to allow polling of several devices per communication port. Data can also be transferred to SCADA systems via serial communication.
- Modbus and DNP3 TCP protocols allow data to be transferred from IEDs in the field to SCADA via Ethernet connection.
- Display and navigation keypad for viewing latest measurements.
- DIN rail for mounting the terminals and power supply.
- Add an ancillary device, e.g., network switch or fiber optic converter, using the accessory mounting plate.

BENEFITS

- Easy installation
 - » Calisto N1, Din Rail and terminals are assembled in the small enclosure
 - » Works within your firewall and meets your cybersecurity regulations
 - » Visualize and overlay data from multiple assets through a single, intuitive UI
- Comprehensive alert management
 - » Set three levels of alert on each data channel
- Alert default values are configurable
 - » Built-in audit trail of alert generation and acknowledgment for post-event investigation
- Intuitive user interface supports teamwork and investigation of alerts and asset issues

CALISTO N1 TECHNICAL SPECIFICATIONS

CPU, MEMORY AND BUSES		TEMPERATURE	
Host CPU	ARMv8 1.2GHz	Operating temperature	-20°C to +50°C
Memory	1 GB RAM, 32GB Flash	Extended temperature	-40°C to +60°C
STORAGE		Storage temperature	-20°C to +70°C
32GB eMMC Flash for application and data storage		MECHANICAL DATA	
PERIPHERALS		Height	300 mm / 11.8 in
USB 2.0		Width	300 mm / 11.8 in
2x Isolated RS485 (MODBUS, DNP3)		Depth	132 mm / 5.20 in
2x 10/100 Base T Ethernet (DNP3, MODBUS, HTTP)		Weight	3.6 kg / 7.9 lbs
Alert LED (Status, Info, Warning, Action)		Construction	Polycarbonate
Status Relay, 240VAC 5A (Status, Info, Warning, Action)		POWER SUPPLY	
LCD Display 4x20 character and keypad		Input	115-230VAC 50-60Hz 0.65A
4x Analog Input (4-20mA or 0-10V) and 4x Digital Inputs (dry or wet contact inputs)			
ENVIRONMENTAL			
Humidity	0-95% non-condensing		
IP classification	IP66 (with cover) IP40 (without cover)		
Flammability class according with UL94	V2		



Doble Engineering Company
 Worldwide Headquarters
 123 Felton Street, Marlborough, MA 01752 USA
 tel +1 617 926 4900 | fax +1 617 926 0528
www.doble.com

Specifications are subject to change without notice.
 Doble is an ISO 9001 & ISO/IEC 17025 & 17034 Certified Company.
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 PUBLISHED: NOVEMBER 2022