

Technical Specifications:**Local / Remote Communication and Control Ports:**

- Serial Management Port - USB Port
- 10/100 BaseT for remote management

Local / Remote Management and Monitoring Options:

- Telnet
- CLI Control Interface (HyperTerminal or VT100)
- MQTT Communication with NMS allows scaling of the management system to monitor '000s of racks from a single location.

Security and Protection:

- Crypto Authenticated Hardware and Firmware protects the hardware and firmware from being cloned.

Power Supply Specifications:

Input DC voltage	48V DC (nominal)
Range of input voltage for equipment operation	15V to 60V DC Input
Reverse DC Voltage polarity protection	Provided
Short circuit protection	Provided

Fan Power Supply Options:

- 12V to 48V DC (support for 12V/24V/48V DC FAN's)

Equipment Power Consumption (excluding fans):

- < 15W

Environmental (Equipment):

Operational	0°C to 50°C (Typical: +25°C)
Storage	-10°C to +60°C
Humidity	95% non-condensing
Cooling	Convention Cooled.
Altitude	5000 mtrs.

Command Language:

- English text commands
- Graphical User Interface (GUI) - English

Mechanical Specifications:

Height	72 mm
Width	190 mm
Depth	176 mm
Weight	1.4 Kg.

Technical specifications are subject to changes without notice.
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Compliance:

- CE
- RoHS
- EMC - FCC Part 15 Class 2
- Operation ETS 300 019 Class 3.2
- Storage ETS 300 019 Class 1.2
- Transportation ETS 300 019 Class

Ordering Information:

Part Number	Product Description
VCL-2457-DIN-DC015060	VCL-2457, Smart-Rack Management and Fan Control Unit DIN Rail Mounting Version <ul style="list-style-type: none"> - 1 x 15~60V DC Power Supply Input - Management: Telnet (RJ45 (F) Port), Serial Port (USB), EMS, Graphical User Interface (GUI) - Installation Kit: System Core Cables, Mounting Hardware, Documentation, User Manual

Optional: External Sensors & Alarms:

Part Number	Description	Max. Qty per Unit
VCL-ESEN 0001	Smart Rack Water Level / Flooding Sensor	01
VCL-ESEN 0003-0002	Smart Rack-Door Open Sensor	01
VCL-ESEN 0004	Smart Rack Smoke Alarm (12V DC Power Supply Input required)	01
VCL-ESEN 2458	Smart Rack Temperature Sensor	03
VCL-DISP 2461	Smart Rack Controller LCD Display	01
VCL-EFAN 0005	Smart Rack Ventilation FAN (120x120x32mm) with Pulse (Tach-RPM) Sensor, 48V DC, 3-wire	03
VCL-EMOD 0423-AC220	(Please add Power Supply for VCL-ESEN 0004, Smoke Alarm) External Power Supply - DIN Rail Mount Power Supply (External) AC to DC Converter, DIN Rail Mount: <ul style="list-style-type: none"> - Input: 1 x AC Input [90~240V AC, 50-60Hz] - Output: 1 x DC Output [12V DC~2.1A, 25.2W] 	
VCL-EMOD 0423-DC220	(Please add Power Supply for VCL-ESEN 0004, Smoke Alarm) External Power Supply - DIN Rail Mount Power Supply (External) DC to DC Converter, DIN Rail Mount: <ul style="list-style-type: none"> - Input: 1 x DC Input [110~250V DC] - Output: 1 x DC Output [12V DC~2.1A, 25.2W] 	

U.K.

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