# oec

# **OEC Gateway with IP Access**



The OEC GATEWAY with SNMP V3 can connect all OEC PDU's in your datacenter / server room by RS485 or by the AP bus circuit / daisy chain system. The user-friendly embedded IP Web interface ensures full control over the system. OEC can also provide OEC Manager software for controlling multiple PDU installations, and by providing a MIB file OEC data can be read and used by third party management packages as well.

### RS 485 (standard) / AP Bus protocol

RS485 is the most versatile communication standard in the standard series defined by the EIA. The AP bus is a very simple yet elegant serial (2 wire) bus using the 'Manchester protocol'. Wiring of both RS485 and AP bus is done with normal CAT5/6 cables.

#### SNMP V3

SNMP V3 provides important security features;

- Confidentiality Encryption of packets to prevent snooping by an unauthorized source.
- Integrity Message integrity to ensure that a packet has not been tampered with in transit including an optional packet replay protection mechanism.
- Authentication to verify that the message is from a valid source.

### USB

This USB connection can be used for updating the Gateway software and logging activities.





### Technical Specifications

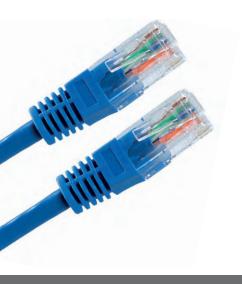
- 1x Ethernet, 1x USB and 10x RJ45
- Voltage: 230V + 10% 15% (50-60Hz)
- Humidity: 10-80%
- Temperature: 0-40 °C
- Housing Ip20
- Flammability rating: Vo
- RS 485 protocol (recommendation: cable length max 500m, max 256 PDU's)

- AP Bus protocol
- Dimensions BLACKBOX: 59mm x
  59mm x 440mm (19" rack PDU)
- Data storage in indelible memory
- Green! Low energy consumption <0,75Watt/hr



## **OEC COM-Module with IP Acces**





The OEC communication module gives IP access to the connected PDU. The user-friendly embedded IP Web interface ensures full control over the PDU locally or remotely. Single PDUs or groups of PDUs can be managed by an OEC Gateway. The COM-Module can also be managed by OEC Manager software or by third party packages.

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### SNMP V3

SNMP V3 provides important security features;

- Confidentiality Encryption of packets to prevent snooping by an unauthorized source.
- Integrity Message integrity to ensure that a packet has not been tampered with in transit including an optional packet replay protection mechanism.
- Authentication to verify that the message is from a valid source.

#### USB

This USB connection can be used for different external sensors and can also be used for updating the COM-module software and logging activities.



### Technical Specifications

- 1x Ethernet, 1x USB and 2x RJ45 connectors
- Voltage: 230V + 10% 15% (50-60Hz)
- Humidity: 10-80%
- Temperature: 0-40 °C
- Housing Ip20
- Flammability rating: V0
- RS 485 / AP bus protocol
- Dimensions COM-module: 50mm x 100mm

- Data storage in indelible memory
- Green! Low energy consumption <0,75Watt/hr</li>

### Norms and standards

- EN61010-1: Safety requirements for electrical equipment for measurement, control, and laboratory use
- EN 61000-6-2: Immunity for industrial environments



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