

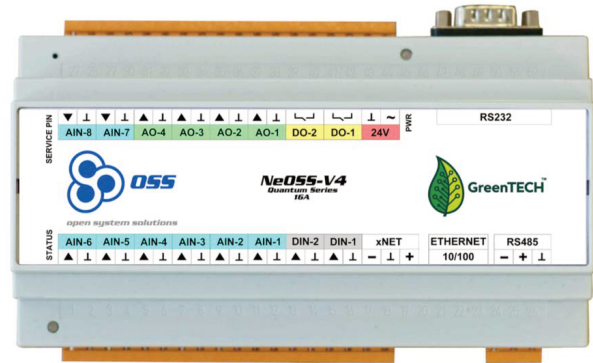


open system solutions

Quantum Series® - NeOSS-V4-16A-MP®

The **Quantum Series NeOSS** building management controllers provide the latest advancement in building controls technology and deliver a complete open solution for today's building control applications.

All controllers are freely programmable and support multiple protocols allowing for a fully open and integrated system to be implemented in the easiest and most cost efficient manor. Additional I/O is provided by using **NeOSS I/O** expansion modules which are available in various configurations.

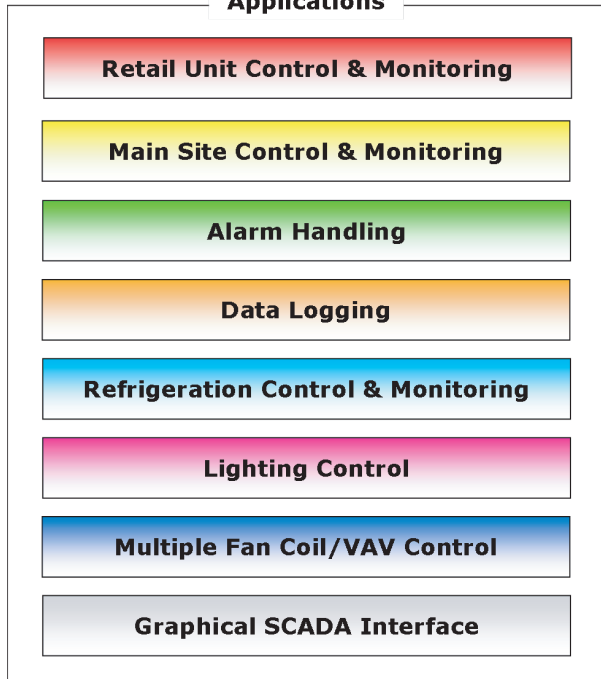


Key Features

- ✓ Fully Programmable
- ✓ Dynamic Graphics
- ✓ Alarm Handling
- ✓ Logging
- ✓ PID Loops
- ✓ Function Modules
- ✓ Logic Modules
- ✓ Time Scheduling
- ✓ Optimisers
- ✓ Flexible I/O
- ✓ Real Time Clock
- ✓ Multi-Protocol
- ✓ BACnet, TREND, Modbus, MBus, MQTT*
- ✓ User Definable Interface
- ✓ Cost Effective

Profile

Applications



Flexible I/O

- 8 UI: 0-10V, 0-20mA, Thermistor, Dry Contact, TTL
- 4 AO: 0-10V
- 2 DI: Dry Contact, TTL, Pulse Counter
- 2 DO: 1A 24VAC Relay Contact

Engineering

Configuration of both user application and graphics could not be easier. Broadword is the down-loadable engineering tool that allows the creation of simple or complex strategies using drag and drop modules and wiring techniques, there is no need to program in 'C' or other complex languages.

Multi-Protocol

Supporting BACnet, TREND, Modbus, MBus, Crestron, MQTT* and many other protocols straight out of the box it is easy to integrate between systems without the added expense and time of having to call in a third party programmer along with the associated extra hardware costs.

Specifications

CPU

ARM Technology

Memory

8 MB RAM
(user application space)
2 GB Non volatile data storage
(graphics, logs, alarms)
NO maximum point limit

Supply Voltage

24V AC +/- 10%
30-36V DC
2 VA: Typical (No outputs on)
6 VA: Typical (Relays on, AO driving 500Ω)

Connectivity:

RS232: TREND, MBus & other protocols
RS485: Modbus, BACnet & other protocols
Ethernet: Graphics, Logs Alarms, Display, SNMP,
TREND, BACnet, Broadword & other
protocols

I/O

8 UI: 0-10V, 0-20mA, Thermistor, Resistive,
Dry Contact, TTL Open Drain
4 AO: 0-10V @ 20mA
2 DI: Dry Contact, TTL Open Drain, Pulse Counter
2 DO: 1A 24VAC Relay Contact
AtoD: 16 Bit Resolution

Physical

Enclosure: Din rail mounted UL94-V1 Plastic
Weight: 0.485 kg
Dimension: L:157mm W:98mm D:59mm
(ex. connectors)
Mount: TS35 DIN Rail (Len: 155mm)

Connectors

Power: 2 Part screw terminals
RS232: DB9 male socket
LON: 2 Part screw terminals
RS485: 2 Part screw terminals
Ethernet: RJ45
I/O: 2 Part screw terminals

Environmental

Storage: -25 °C to 60 °C
Operating: -10 °C to 50 °C
Humidity: 0 to 90 %RH non- condensing