



## *N-Connex*

# EDGE MODULE

### KEY FEATURES

SIX (6) 10/100/1000 MBPS RJ45 POE PORTS

TWO (2) FIBRE OPTIC SINGLE MODE PORTS

TOTAL POE BUDGET OF 65W

L2+ FEATURES

BUILT IN POWER SUPPLY WITH UPS SUPPORT

SUPPORT FOR SPANNING TREE STP, RSTP, MSTP

OPTIONAL BATTERY BACKUP (UPS)

WEB BASED MANAGEMENT

IP67 ENCLOSURE

52 GBPS SWITCHING CAPACITY

# EDGE MODULE

The Edge Module is primarily deployed in small mines or tunnels that only require the bare minimum of functionality. It is a managed switch that provides connectivity to a Gigabit backbone with a built-in power supply with UPS support. The module includes six (6) PoE ports and two (2) Fiber Ports to enable a range of solutions and network topologies.

The Edge Module can supply 65W of total PoE across the Ethernet ports. This enables a range of basic low powered PoE devices to be connected to the Edge. PoE connectivity allows the N-Connex network to be used in a variety of applications including Video Cameras, WiFi Access Points, PoE phones and more.

As with all N-Connex modules the Edge Module is designed with rugged construction and is suitable for harsh environments. The module is designed to be mounted on the NLT quick-fit rail system which can be attached to, or hung from, a variety of surfaces.

## SPECIFICATIONS

Standards	IEEE 802.3/3u/3ab 10/100/1000 Base-T Ethernet IEEE802.3af/IEEE802.3at POE VLAN IEEE 802.1q IEEE 802.1p QoS STP(IEEE 802.1d) RSTP(IEEE 802.1w) MSTP(IEEE 802.1s)
Interface	6x 10/100/1000 Base-T POE Ports 2x 1000M Fiber Optic Single Mode Ports
L2+ Switching Features	Port Mirroring, Port Isolation, IGMP Snooping, DHCP Snooping, LLDP, POE+ Management, IP Source Guard, ARP Inspection, ACLs and other L2 Features
Switching Capacity, Bandwidth	52Gbps
Spanning Tree Protocol	Standard Spanning Tree [STP](802.1d), Rapid Spanning Tree [RSTP](802.1w) and Multiple Spanning Tree [MST](802.1s)
VLAN	Support up to 4K VLANs Simultaneously (out of 4096 VLAN IDs; Port-Based VLAN; 802.1q tag-based VLAN
QoS, Hardware	Supports 8 Hardware Queues
Congestion Management	8 COS Queues per Port Support Strict Priority and Weighted round-robin (WRR)
Jumbo Frames	Frame Size up to 9KB Supported on Gigabit Interfaces
MAC Table	Up to 8K MAC Addresses
Total POE Output Power	65 W
Max POE Power per Port	15.4 W (IEEE 802.3af) / 30W (IEEE 802.3at)
Input Voltage	88-264 VAC
Frequency Range	47-63 Hz
Mounting	N-Connex Rail or Hang-Tab
Weight	9 kg
Unit Dimension	390mm(L) x 300mm(H) x 197mm(D)
Ingress Protection	IP67
Operating Temperature	-20 to 50 °C
Ambient Humidity	5% to 95 % RH (non- condensing)

*Note: Technical specifications are subject to change without notice.*



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**N-Connex**