NSGate

Managed Industrial switch

> PoE: 4x 30W | 2x 60W | 2x Passive   > 4 SFP/1G Uplink   > Polyester electrical enclosure IP66 | NEMA4 | IK10

The NSBox access Nodes are devised for the deployment of protected Outdoor Video Surveillance systems. The Nodes provide troubleproof operation of connected video cameras ranging from secure power supply, reliable data transmission, and protection of sensitive equipment from surges caused by lightning and grid power fluctuations. There is an ideal technological solution for time and money saving in any outdoor Video Surveillance projects for a large area ranging from highways, bridges, parking lots, airports, railways, sports facilities, hotels, parks, shopping malls, and construction sites.

Glass Reinforced Polyester enclosures, NSP-xxyy series are used for NSBox-p4044 access Nodes. The basic equipment includes: Wall mounting brackets, Mounting plate with DIN rails, terminal blocks, a two-pole circuit breaker, an electrical grounding bar, a fan with a thermostat, a set of cable glands. These modules can also be included in the assembly:
- Managed Industrial switch: uplink 4 SFP/1G, 8 TP/1G ports with PoE various power ;
- Power Supply 55VDC-360W or UPS NR-48VDC-360VA with mounting kit for batteries 7Ah x4;
- Climatic control system inside enclosure: thermostats, Fan Heater, Thermoelectric Cooler/ Assembly;
- Fiber Optic Distribution Frame (ODF) for connecting optical fibers with FC adapters, pigtails, patch cords;
- Lightning and surge protection for Ethernet PoE ports and power circuits 220VAC.
  In order to include additional modules in assembling of Nodes needs to select Optional Accessories NSBon-xx.
  NSBox-xxxxR with UPS are delivered without preset Batteries, only mounting kit for Batteries 7 | 15 | 45Ah is included.

The basic NSBox-p4044 models are: NSBox-p4044H | NSBox-p4044HR

NSBox-p4044H GX17F46H	Access Node: NSP-4060H3F1 enclosure with Fan Heater, with ODF/12SC; 55VDC-360W Power supply; WI-PMS312GF-I switch: uplink 4 SFP/1G, 8 ports TP/1G PoE 802.3at/3bt/Passive; Reboot PD
NSBox-4044HR UX17F46H	Access Node: NSP-4060H3F1 enclosure with Fan Heater, with ODF/12SC; UPS NR-48VDC-360VA with mounting kit for batteries 7Ah x4; WI-PMS312GF-I switch: uplink 4 SFP/1G, 8 ports TP/1G PoE 802.3at/3bt/Passive; Reboot PD

Technical Data

Input Voltage	Power consumption	: 100 - 240VAC	500 W (no more)
Enclosure material (cabinet, door)	: Glass Reinforced Polyester (GRP)
Protection category IP/NEMA	IK Code	: IP66 / NEMA4	IK10
Enclosure mounts	: Wall or pole mount with NSBon-01 kit
Operating temp.	with thermal insulation	: -40°C to +60°C	-50°C to +60°C
Dimensions (no cable glands)	: 400 x 600 x 230 mm
Shipping weight (approx.)	: 15 kg	25 kg for R models (with batteries)
Fiber Optic Distribution Frame (ODF)	: mounted with 4 FC adapters, pigtails, patch cords
Heater with thermostats (for H models)	: NSBon-18 option, Fan Heater
Uninterruptible Power Supply (for R models)	: NR-48VDC-360VA with mounting kit for batteries 7Ah x4

Hardware specification	Managed Industrial switch WI-PMS312GF-I
8x 10/100/1000T RJ45 with PoE various power	IEEE 802.3at / 802.3bt (PD Alive Check) / Passive PoE
4x 100/1000M SFP slots (with DDM)	Total PoE Budget 300W, PSE 30W/port, max 60W

Management Interface | Diagnostic
Console/CLI, Web GUI, Telnet, SNMP, Syslog, RMON

Network Protocols :
Ring Topology: ERPS, EAPS; Spanning Tree: STP, RSTP, MSTP; **VLAN**: Port-based, 802.1q tag-based; **IGMP** v1/v2/v3 & MLDv1/2 Snooping; **QoS**: 802.1p, 8 queues per port, WRR/SP/WFQ; **DHCP** Snooping; Multicast/Broadcast/Unicast **Storm Control**; **Security**: RADIUS, TACACS+, SSH, AAA, ACL; SNTP; Static Routing.