

#### Managed Industrial switch

> 8 ports PoE

> 2 SFP/1G + 2 TP/1G Uplink

> PoE ports: 2x 60W + 6x 30W

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.

The basic equipment of the NSBox-4082 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 2 SFP/1G + 2 TP/1G, 8 ports TP/1G PoE (2x 60W + 6x 30W);
- 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.

The basic NSBox-4082 models are: NSBox-4082 | NSBox-4082H | NSBox-4082R | NSBox-4082HR

NSBox-4082 PX08F38F	Access Node: NSB-3838F1 enclosure with Fan, without Heater, with ODF; 55VDC-360W Power supply; NIS-3500-3226PGE Switch: uplink 2 SFP/1G + 2 TP/1G, 8 ports TP/1G PoE (2x60W + 6x30W); Reboot PD
NSBox-4082H PX08F38H	Access Node: NSB-3838H1F1 enclosure with Fan Heater; 55VDC-360W Power supply; NIS-3500-3226PGE Switch: uplink 2 SFP/1G + 2 TP/1G, 8 ports TP/1G PoE (2x 60W + 6x 30W) for IP cameras; Reboot PDs
NSBox-4082R RX08F38F	Access Node: NSB-3838F1 enclosure with Fan, without Heater; UPS NR-48VDC-360VA with mounting kit for batteries 7Ah x4; NIS-3500-3226PGE Switch: uplink 2 SFP/1G + 2 TP/1G, 8 ports TP/1G PoE (2x60W + 6x30W)
NSBox-4082HR RX08F38H	Access Node: NSB-3838H1F1 enclosure with Fan Heater; UPS NR-48VDC-360VA with mounting kit for batteries 7Ah x4; NIS-3500-3226PGE Switch: uplink 2 SFP/1G + 2 TP/1G, 8 ports TP/1G PoE (2x 60W + 6x 30W)

#### Technical Data



Input Voltage   Power consumption	: 100 - 240VAC   500 W (no more)
Enclosure material (cabinet, door)	: Sheet steel, powder-coated, primed
Protection category IP/NEMA   IK Code	: IP66 / NEMA4   IK08
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)	: 380 x 380 x 210 mm
Shipping weight (approx.)	: 12 kg   22 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 NIS-3500-3226PGE
8x 10/100/1000Base-T RJ45 PoE (2x 60W + 6x 30W)	IEEE 802.3at / 802.3af (PD Alive Check)
2x 10/100/1000Base-T RJ45	Total PoE Budget 240W, PSE 30W/port, max 60W
2x 100/1000M SFP slots (with DDM)	Switch Fabric 24Gbps, 8K MAC, Jumbo Frame 9Kb

Management Interface   Diagnostic
Console/CLI, Web GUI, Telnet, SNMP   Syslog, VLAN mirroring, RMON, SNMP Trap
Network Protocols :
<b>Spanning Tree:</b> STP, RSTP, MSTP; <b>Ring Topology:</b> Chain, Dual Homing, Couple Ring; <b>VLAN:</b> Port-based, 802.1q tag-based, 802.1ad Q in Q; <b>IGMP</b> Snooping v1/v2/v3 & Querier; <b>QoS:</b> 802.1p, 8 queues per port, WRR/SPQ; <b>DHCP</b> Client, Server, Relay, Snooping, Option 82; 802.1ab <b>LLDP</b> ; Multicast/Broadcast/Flooding <b>Storm Control</b> ; Access Control: IP/ MAC-based/ 802.1x authentication; <b>Security:</b> HTTPs, SSH, Radius Client; NTP/SNTP;

