

SPECIFICATIONS:



NHP-P100

Access Control IP Controller



NHP-P100

1 Door IP Controller

(1 Reader Port, up to 5 General Purpose Inputs, 1 Output)

High-performance, One-door network controller compatible with OnCAFE or Entry Guard Standalone Operations. Equipped with One reader port with capacity for up to two OSDP readers, three supervision capable inputs, and up to two unsupervised OSDP Flex inputs. Unsupervised FAI Input for Output power drop. One field selectable relay output capable of providing Wet (12/24VDC) or Dry contacts for maximum flexibility.

Engineered for reliability, the controller features built-in tamper monitoring, secured data retention, and communications through TLS 1.3 and AES-256 encryption. It supports up to 50,000 cardholders and 250,000 offline event cache entries, ensuring continued operation during network interruptions.

GENERAL

Operating Temperature	-20°C~+60°C (-4°F~+140°F)
Weight	2.43lbs (1100 Grams)
Dimensions	7.24" x 7.24" x 1.69" (184mm x 184mm x 43mm)
Regulatory Compliance	UL 294, UL 2043, UL 62368-1, FCC, CE, KC, UKCA, California Prop 65, SIA, IK10**IK10: Excluding conduit cover

NETWORK

Ethernet	1 - Dedicated RJ-45 (10/100 Base-T) Ethernet Port
Protocol	IPv4, IPv6, TCP/IP, UDP/IP, NTP, HTTP, HTTPS, SSL/TLS, SMTP, ICMP, IGMP, SNMP V3 (MIB-2), ARP, DDNS, DNS, UPnP, Bonjour, LLDP
Security	Secure Boot, Firmware verification, TPM with FIPS 140-3 Level 3

ONBOARD I/O

Reader Port	1 - OSDP/Wiegand Reader Port (capable of supporting 2 OSDP Readers or 1 Wiegand Reader) OSDP™ Verified (v2.2.2) Legacy Wiegand Support
General Purpose Inputs	5 - 3 Supervised Inputs (1 Door Position, 1 REX, 1 Aux In) + 2 additional Unsupervised Inputs (When OSDP is used)
Dedicated Inputs	1 - Housing Tamper (built-in; removal of housing cover, removal from wall) 1 - FAI Unsupervised Input (For Power Drop)
Output	1 - Dry / 12VDC/24VDC Field selectable power 30VDC @ Max 2A DRY, 12VDC @ Max 500mA WET, 24VDC @ Max 250mA WET

POWER

Input Power (VIN)	PoE+, 12VDC / 24VDC
Power Consumption	PoE+: 53V @ Max 0.48A, 12VDC @ Max 2.08A / 24VDC IN @ Max 1.04A
Reader Port Power	Reader Power: 12VDC @ Max 350mA (per port)
REX Power Output	1 port, 12VDC @ Max 100mA (per port)

MEMORY AND CAPACITY

Memory	1GB DDR4, 8GB eMMC
Event History	250,000 (offline cache event)
Credentials	Server/Cloud Based: 50,000, EntryGuard: 400
Cardholders	Server/Cloud Based: 50,000, EntryGuard: 200

ACCESSORIES

Support Products	(SBP-060BA, Conduit Hole Adapter)
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