

NAT-102 系列

2 埠工業網路位址轉譯 (NAT) 裝置



特色與優點

- 易用 NAT 功能可簡化網路整合
- 透過自動建立本機連接裝置的白名單達成免動手網路存取控制
- 超輕巧大小與堅固耐用的工業設計，適用於機櫃安裝
- 整合式安全功能，可確保裝置與網路安全
- 支援安全開機功能，可檢查系統完整性
- -40 至 75°C 操作溫度範圍 (-T 型號)

認證



簡介

NAT-102 系列是一種工業 NAT 裝置，專門設計來在 工廠自動化環境中簡化現有網路基礎架構的 機器 IP 配置。NAT-102 系列提供完整 NAT 功能，可使您的機器適應特定網路情境，而無需複雜、昂貴及耗時的配置。這些 裝置也可保護內部網路免受外部主機未經存授權 的存取。

快速易用的 存取控制

NAT-102 系列的自動學習鎖定功能可自動學習本機連接 裝置的 IP 與 MAC 位址，並將其繫結至存取 清單。此功能不僅可協助您管理存取控制，還可 使裝置更換更有效。

工業級 與超輕巧設計

NAT-102 系列堅固耐用的硬體可使這些 NAT 裝置非常適合部署 in harsh industrial environments, featuring wide-temperature models that are built to operate reliably in hazardous conditions and extreme temperatures of -40 up to 75°C. Moreover, the ultra-compact size allows the NAT-102 Series to be easily installed into cabinets.

規格

Input/Output Interface	
Buttons	Reset button
Ethernet Interface	
10/100BaseT(X) Ports (RJ45 connector)	2
Standards	IEEE 802.3 for 10BaseT IEEE 802.3u for 100BaseT(X)
Ethernet Software Features	
Management	Web Console (HTTP/HTTPS) LLDP Telnet TFTP HTTPS SSH
Security	Secure Boot Trust access control
Time Management	NTP Server/Client SNTP

Unicast Routing	Static Route
Routing	Throughput: 15K packets per second (max. 100 Mbps)
Routing Table	Max. 32 routing rules
Concurrent Connections	Max. 30K
Connections Per Second	Max. 4.5K

LED Interface

LED Indicators	POWER, STATE, LEARNING, LOCKDOWN
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Firewall

Filter	IP address MAC address Ports
Port-based Auto Learning Lock	MAC address IP address
Throughput	Max. 15K packets per second (max. 100 Mbps)

NAT

Features	1-to-1 N-to-1 Port forwarding NAT loopback
Throughput	Max. 15K packets per second (max. 100 Mbps)

Real-Time Firewall / VPN Event Log

Event Type	Policy enforcement
Media	Local storage Syslog server

Serial Interface

Console Port	RS-232 (TxD, RxD, GND), 3-pin (115200, n, 8, 1)
Connector	USB Type-C

Power Parameters

Connection	Removable terminal block
Operating Voltage	9.6 to 60 VDC
Input Voltage	12/24/48 VDC
Input Current	0.196 A @ 12 VDC 0.100 A @ 24 VDC 0.056 A @ 48 VDC
Reverse Polarity Protection	Supported

Physical Characteristics

Housing	Metal
Dimensions	20 x 90 x 73 mm (0.79 x 3.54 x 2.87 in)

Weight	210 g (0.47 lb)
Installation	DIN-rail mounting Wall mounting (with optional kit)

Environmental Limits

Operating Temperature	Standard Models: -10 to 60°C (14 to 140°F) Wide Temp. Models: -40 to 75°C (-40 to 167°F)
Storage Temperature (package included)	-40 to 85°C (-40 to 185°F)
Ambient Relative Humidity	5 to 95% (non-condensing)

Standards and Certifications

Safety	UL 62368-1
EMC	EN 55032/35
EMI	CISPR 32, FCC Part 15B Class A
EMS	IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/m IEC 61000-4-4 EFT: Power: 2 kV; Signal: 2 kV IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV IEC 61000-4-6 CS: 10 V IEC 61000-4-8 PFMF
Hazardous Locations	ATEX Class I Division 2
Traffic Control	NEMA TS2
Railway	EN 50121-4
Shock	IEC 60068-2-27
Freefall	IEC 60068-2-32
Vibration	IEC 60068-2-6

MTBF

Time	2,135,469 hrs
Standards	Telcordia (Bellcore), GB

Warranty

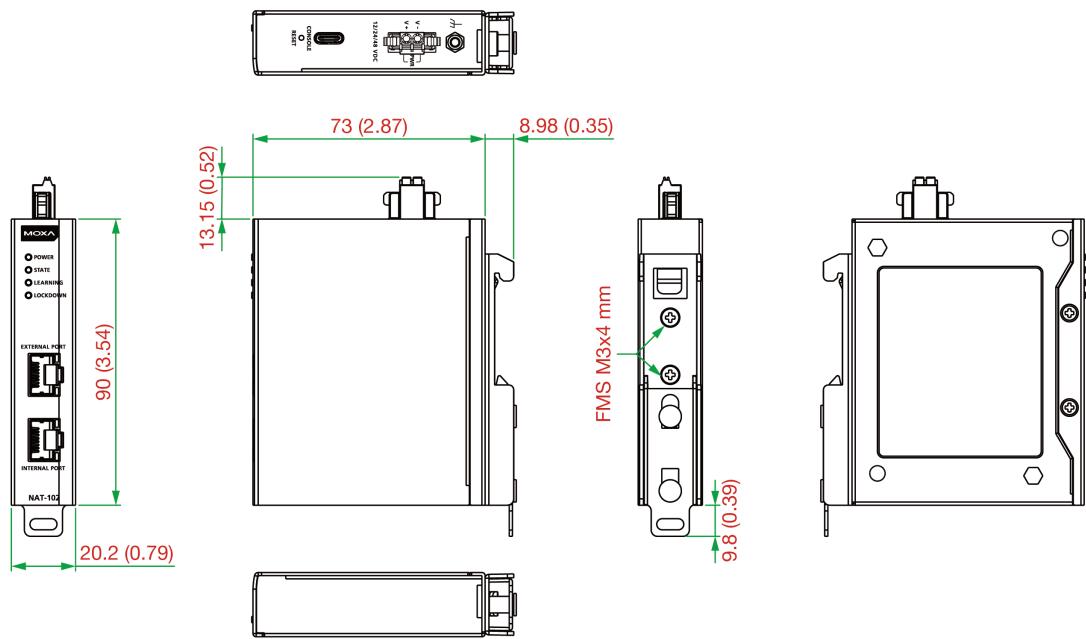
Warranty Period	5 years
Details	See www.moxa.com/tw/warranty

Package Contents

Device	1 x NAT-102 Series NAT device
Cable	1 x DB9 female to USB Type-C
Documentation	1 x quick installation guide 1 x warranty card

尺寸

單位：公釐（英吋）



訂購資訊

Model Name	10/100BaseT(X) Ports (RJ45 Connector)	NAT	Operating Temp.
NAT-102	2	√	-10 to 60°C
NAT-102-T	2	√	-40 to 75°C

配件（選購）

Wall-Mounting Kits

WK-20-02	Wall-mounting kit, 3 screws, 20 x 140 x 2 mm
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