

FXS-FXO

VOIP MEDIA GATEWAY

Datasheet

neron

NMG 7000 SERIES



- **Cost Efficiency:** By leveraging existing analog devices, migrate to VoIP networks without the need for expensive equipment upgrades.
- **Seamless Integration:** NMG7000 Series Media gateway facilitates the integration of legacy analog devices with modern IP-based telecommunication systems, ensuring interoperability and continuity of service.
- **Flexibility and Scalability:** FXS-FXO gateways come in various port combinations, allowing businesses to scale their telecommunication infrastructure according to their telephony infra requirement.
- **Enhanced Productivity:** Advanced call management features improve productivity by enabling efficient call routing and handling.
- **Reliability:** Built-in failover mechanisms ensure uninterrupted communication even in the event of network failures or outages.
- **Simplified Management:** Intuitive management interfaces streamline configuration, monitoring, and troubleshooting tasks, reducing the burden on IT staff.

Applications -

VoIP Service Providers:

Service providers, ISP/ITSPs can deploy NMG 7000 Series FXS-FXO media gateways to offer VoIP services to customers with existing analog equipment, expanding their market reach.

Remote/Branch Offices:

Businesses can use IAD FXS-FXO gateways to integrate analog phones, fax machines, and other devices into their IP-based telephony systems. Additionally, IAD gateways enable seamless communication between remote or branch offices and the central VoIP network, extending the benefits of VoIP to distributed locations.

Legacy System Integration:

Industries with legacy telecommunication systems, such as healthcare and hospitality, can modernize their infrastructure gradually using IAD gateways, without disrupting existing operations

FXS

Caller ID : DTMF/FSK, CLI Presentation, CableLength: 2-5KM, Reversed Polarity, Color Ringback Tone, Hotline, T.38 Fax, Tx-Rx Gain, Loop Impedance - 660 ohm, Hook Flash Detection, MWI

FXO

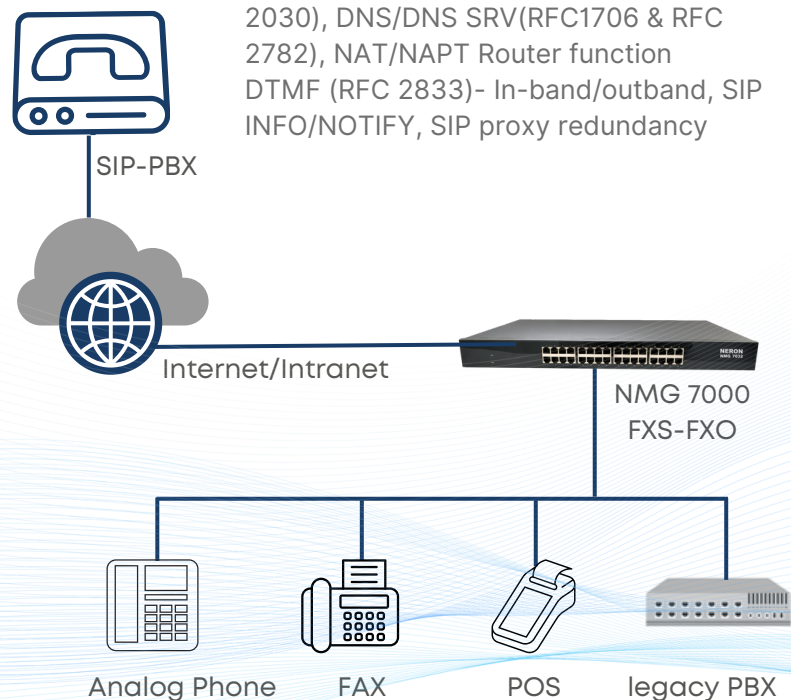
Caller ID- Before Ring, Polarity Reversal, After ring Signaling- FXS, DTMF Tx Gain, Rx Gain, Port Group , BusyTone,

Telephony Features

Speed Dial, Self-survival, Blind Transfer, Attended Transfer, Three-way Calling, In/Out call Route, Call Hold, CDR Custom MOH, TimeProfile

Protocol

SIP V2 (RFC 3261, 3262, 3263, 3264) , Session Timer (RFC4028), SDP (RFC2327), STUN (RFC 3489), RTP/RTCP (RFC1889 and RFC 1890), SIP URI Lookup (RFC2915), ARP/RARP (RFC 826/903), SNTP (RFC 2030), DNS/DNS SRV(RFC1706 & RFC 2782), NAT/NAPT Router function DTMF (RFC 2833)- In-band/outband, SIP INFO/NOTIFY, SIP proxy redundancy



Physical Interface

NXG 7xxx-L Series

Partcode	FXS	FXO	Eth.10/100	Connector
NMG 7016-S/L	16	x	4	Rj 11
NMG 7016-O/L	x	16	4	Rj 11
NMG 7024-S/L	24	x	4	Rj 11
NMG 7024-O/L	x	24	4	Rj 11
NMG 7032-S/L	32	X	4	Rj 11
NMG 7032-O/L	X	32	4	Rj 11

NXG 7xxx Series

Partcode	FXS	FXO	Ethernet	SFP	Connector
NMG 7048/S	48	x	4x 1G	1x 1G	Rj 11 + Rj 21
NMG 7048/O	x	48	4x 1G	1x 1G	Rj 11 + Rj 21
NMG 7032/S	32	X	4x 1G	1x 1G	Rj 11
NMG 7032/O	X	32	4x 1G	1x 1G	Rj 11
NMG 7024/S	24	X	4x 1G	1x 1G	Rj 11
NMG 7024/O	X	24	4x 1G	1x 1G	Rj 11
NMG 7016/S	16	X	4x 1G	1x 1G	Rj 11
NMG 7016/O	X	16	4x 1G	1x 1G	Rj 11

*Combination port and DC Power supply - Contact Sales team



"Neron Informatics stands at the forefront as a leading manufacturer and unified communication solution provider dedicated to the digital workplace. Established in 2017, Neron Informatics is a proud DIPP Certified organization under the 'Make in India' initiative by the Government of India. Headquartered in Ghaziabad (UP) with branch locations in major cities across India, Neron Informatics is committed to delivering end-to-end telecom infrastructure and telephony automation solutions. We leverage a wide range of UC hardware and software, ensuring our clients receive top-notch products designed for global standards. Our offerings cater to SOHO, enterprise, ISP, and government customers, promising the highest levels of productivity and reliability. At Neron Informatics, we take pride in shaping the future of unified communication for a connected and efficient world."

Security

SRTP, Firewall ACL, TLS, NAT, Ping block, HTTPS, QOS
SIP auto defence, Web auto defence, Open VPN,
N2N VPN,

Debug/Troubleshooting

Port Monitor, Ethernet Capture, Ping, Tracert,
NS lookup, Pcap, system log, Network monitor,
Realtime Network graph.

Management

Firmware Backup-Restore, Web Management
Interface, IVR-driven Feature codes,SNTP Time
Synchronization, SystemLog

Environmental

Operation Temperature: 0~60 Degree C
Storage Temperature: -20~ 80 Degree C
Relative Humidity: 10%~90% No Condensing

Audio Codecs

G.711A/U law, G.729A/B, AMR, G.726, iLBC, Opus, G.722,
Silence, Suppression Comfort Noise Generation(CNG)
Voice Activity Detection(VAD) Echo Cancellation
(G.168), with up to 128ms Adaptive (Dynamic) Jitter
Buffer Programmable Gain Control T.38/Pass-through

Networking

IPv4/IPv6, UPD, TCP, DHCP Client Static/Dynamic IP,
DHCP Server, FTP, TFTP, PPPoE, ARP, RARP, NAT Ping,
NTP, SNTP, HTTP/HTTPS, ICMP, Tracert, NSlookup
OpenVPN, N2N-V2 VPN, 802.1 p/Q,SSH, DNS VLAN,
Telnet, IP conflict detection

Dimensions (W/D/H) : 510 x 390 x 950

Power Supply : 12VDC 4A 50W (16 Channel)
12VDC 6A 75W (32 Channel)
12VDC 8A 100W (48 Channel)

Weight : 4.1 Kg (HW unit) / 4.85 Kg (Gift box)

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