

Novo-Gate Series VoIP Gateway

Novo-Gate series analog gateway is one product of VoIP Gateway series by I.C.S.. Novo-Gate is a perfect product for the telecom carriers to provide the residential telephony and fax services through the broadband networks such as FTTB, HFC, and ADSL. Novo-Gate can be connected to the traditional PBXs to provide the voice solutions for enterprise, government, and etc.

Novo-Gate has twelve standard configurations: 4FXS ports, 8FXS ports, 16FXS ports, 32FXS ports, 8FXO ports, 16FXO ports, 32FXO ports, 8FXS/8FXO, and 16FXS/16FXO ports.

Novo-Gate offers rich features, high quality voice, high compatibilities, and Many other advantages. In addition to supplementary functions like Caller ID, Call Forwarding, and Call Routing, Broadcasting Secon-stage Dialing, and Auto Dialing.



- Field programmable CP tone detection and generation to support PBX and CO line interconnections.
- Supports one life line additional.
- Supports programmable line interfaces with country specific telephone settings.
- Supports ITU standard voice codecs and voice processing algorithms including G.711A, G711U, G.729, G723, and G.165 Echo Cancellation as well as Fax T.38.
- Intuitive management interfaces (Web, Telnet and Console) ensures rapid deployment / reduces demands on MIS resources.
- Supports IP Precedence prioritized Voice before Data packets providing best effort QoS
- Network administrators can remotely monitor and perform routine maintenance/trouble-shooting via Internet browser or telnet session.
- Support call forwarding, call transfer, call waiting caller ID, call return, call back, speed dial, block and accept caller ID, and distinctive ringing.
- Supports Dynamic IP/ PPPoE client support
- Supports DHCP client support
- Supports gateway-gateway direct routing and gateway-gatekeeper assisted routing mode

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Features

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| Configuration | 4,8,16, and 32FXS analog ports; 8,16, and 32 FXO analog; mixed 8FXS/8FXO, and 16FXS/16FXO analog ports |
| Voice processing | Voice Codec: G.711A, G711U, G.729, and G723.1 Echo cancellation: G165, with 16,25ms tail length Dynamic Jitter buffer; Voice Activity Detection (VAD); and Comfort Noise Generator (CNG) |
| Calling Control | Calling/Called Number Mapping; Line Hunt |
| Fax processing | T.38 Fax Relay |
| Billing | Polarity reverse |
| Gateway Configuration | Web based user Interface; Text based configuration |
| Remote provisioning | Through HTTP/WEB mode |

Signaling

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| Off hook detection | FXS loop start and DDI |
| VoIP protocols | H323V4 and SIP V2.0 Supports gateway-gateway direct routing and gateway-gatekeeper assisted routing mode |
| Network protocols | DHCP client, DHCP server, PPPoE Client, RTP/RTCP, IP/TCP/UDP/ICMP DNS |
| FXS Signaling | Loop start/DTMF |

Hardware

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| Max Line Length | 2000 meters |
| Ringing Voltage | 60 V RMS |
| FXO Interface Connector | RJ-11 |
| Ethernet Interface Connector | One RJ45 port WAN Ethernet 10 baseT One RJ45 port LAN Ethernet 100base T One RJ45 port for Console |
| Input Voltage | Power Adapter 100-240V 50-60Hz DC |
| Power Consumption | NG7040/7080: 22W (Max.); NG208X/216X: 40W (Max.) |
| Dimension (H x W x D) | NG7040/7080: 230X155X28 millimeter; NG716X/732X: 440X315X44 millimeter |
| Weight | NG7040/7080: 1.5 kg; NG716X/732X: 4kg |

Environmental Requirements

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| Operating Environmental | 0 to 60° C, Non-Condensing Humidity 10% to 90% |
| Non-Operating Environmental | -10 to 70° C |