Featurelist
NovaTec S3 / Cisco VG-2BRI

Width x Depth x Height	Desktop or wall-mounted chassis: 211 x 155 x 40 mm
Approximate weight	1 up to 2 kg
Input power supply	90 to 264 V~
PRI connection	No
Max. number of BRI (S/T) interfaces, non-blocking	2
Max. analogue subscriber line (optional) according to ITU-T G.712 and Q.552	2
Max. number of U_{P0} interfaces (optional)	2
Number of media converter for VoIP	4
Transparent ISDN over IP	Yes
SIP (Session Initiation Protocol) • RFC 3261 (UDP, TCP-IP support) • Digest Authentication (RFC2617) • Reliability of provisional responses (RFC3262) • Offer/answer (RFC3264) • STUN client and server (NAT traversal RFC3489) • Firewall NAT routing (fixed tables) • In-Band/Out-of-Band DTMF (RFC2833) • Session timer (RFC4028) • SIP Extensions for Caller Identity and Privacy • SIP media inactivity Timer • ITU-T T.38 fax • E164 (RFC3824) • DNS name resolution (RFC 1034, 1035) • ENUM (RFC 3761) • HTTP(S) Server for diagnostics, statistics and trace **SIP Call Features** • Hold • Call Transfer • Music on Hold • ISDN Calling Name **Security** • sRTP for speech and data (RFC3711) • sRTP fallback to RTP and RTP to sRTP (configurable) • X505v3 certificates can be loaded, created (RFC 5280)	Yes
SIP trunking with Cisco Communications Manager from release 7.1.2 on as Cisco end device and with Cisco ISR for data and language applications.	Yes
Budget assignment per user with user blockage when budget is spent	Yes
E-Mail message incl. CLIP information in case of no answer on the mobile, fixed-line or IP phone (direct response or callback possible)	Yes
Offer/answer model with Session Description Protocol (SDP)	Yes
Proxy usage (outgoing call)	Yes
Remote configuration via IP & ISDN	Yes
Hold and off hold & Call transfer	Yes
Forwarding: forward on busy, unconditional forward and forward on no answer	Yes
Parallel and serial forking	Yes

Features: S3 SIP Gateway
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Featurelist	S3 Versions / VG-2BRI-R
Re-INVITE: codec change, hold, off hold, session timer	Yes
Supported header field "Supported"	Yes
Number Mapping	Yes
Common DDI for mobile, fixed-line and IP phone	Yes
ISDN cause codes in call detail records	Yes
SIP cause codes in call detail records	Yes
T.38-Fax: Fax over IP according to ITU-T recommendation T.38 and Annex D	Yes
Codec and Speech Compression • G.711 incl. Annex I (BFI) and Annex II (VAD/CNG) • G.726 incl. VAD/CNG, BFI Error Concealment and Payload Support RTP according to "RFC 3551" • G.728, 16 kbit/s • G.729 A/B, 8 kbit/s • Fax Relay, T.38 Support V.21, V.27ter, V.29 and V.17 • 30 ms Voice Packet Size (all Codecs, upstream) • Adaptive / Fix Jitter Buffer max. 200 msec • Jitter Buffer Inband Modem Support • RTP/sRTP protocol support according to RFC3550 and RFC3711 Payload Byte Counter (H248.1 Annex E) • X-CCD & Clear Mode for data transmission. • Silence Compression • Comfort Noice Generation	Yes
Analogue Signalling • The Near Line Echo Canceller (16 msec) is compatible with the available ITU-T G.165 and G.168 standards. • Caller ID Sender (CIDS), V.23 and Bel202 • Caller ID Receiver (CIDR), V.23 and Bel202 • DTMF/AT Generator • DTMF Receiver (DTMFR)) according to ITU-T Q.23. • Universal Tone Generator (UTG) • Universal Tone Detector (UTD) according to ITU-T V.8 • Text Phone V.18 A Detector • Call Progress Tone Detector (CPTD) • Answering Tone Detector (ATD) • Digital Identification Signal (DIS) V.21 Detector • DTMF Event Support according to RFC2833	Yes
VLAN (Virtual LAN) according to 802.1Q	Yes
MD5 authentication	Yes
NAT mapping tables	Yes
STUN Server / Client	Yes
HTTP diagnostics interface	Yes
User accounting	Yes
Remote maintenance & diagnostics	Yes
Local time from ISDN	Yes
NTP: UTC Server access for automatic time setting	Yes
Summer / winter time	Yes
Static IP / Dynamic IP	Yes
Basic & supplementary call set up	Yes
Session timer as described in the IETF Internet Draft *ietf sip session timer-04.txt*	Yes

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Featurelist	NovaTec / TransNova® SIP Gateway S3
Public and private IP address support for use with NAT firewalls	Yes
Configurable SIP and RTP/RTCP ports	Yes
Encryption (SRTP) AES 128 Key (activation through NovaTec necessary)	Yes
Encryption (TLS): (activation through NovaTec necessary) • TLS1.0 / SSL3.0 according to RFC2246 • RC2, RC4 DES and AES according to RFC3268 • X509v3 certificates according to RFC3647 • RSA key exchange for asymetric crypto system	Yes
SNMP • Presently SNMP-V1 and SNMP-V2C without traps is supported. • SNMP Mapper additionally supports SNMP-V3 and V3-Traps.	Yes
Ethernet 802.3 (10 BASE-T & 100 BASE-TX)	Yes
Ethernet half duplex	Yes
Ethernet full duplex	Yes
Synchronization with RMCS	Only 1F8000-R
RMCS server functionality	Only 1F8000-R

Features: S3 SIP Gateway
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