

base7 5710 SS7 Gateway

OPERATING SYSTEMS

Linux RHEL 4,5+

Solaris 10+

CAPS

2000 per server

AVAILABILITY

99.999 %

SS7 LINKS

128 per server

SCTP ASSOCIATIONS

510 per server

IP CLIENTS

510 per server

The 5.7 release of the base7 Signalling Gateway BICC/ISUP version is a fully featured signalling gateway converting between SS7 or SIGTRAN protocols and other IP based protocols such as SIP, SIP-I, MGCP and MEGACO.

The gateway runs on standard off the shelf hardware using Red Hat Enterprise Linux (RHEL) or Solaris operating systems. The 5.7 release has extended call capacity, a new webservices interface for configuration and maintenance, and also supports real time statistical reporting, management and charting of platform statistics via MRTG and SNMP.

IP PROTOCOLS SCTP, M3UA, M2UA AND SUA

IETF RFC 3332 (M3UA)

IETF M3UA Implementor's Guide, version 03, Internet draft, February,2003

ITU-T Q704

IETF RFC 2960

IETF RFC 3309

IETF - Sockets API extensions for SCTP, Internet draft, February 26, 2003

IETF Signalling Control Connection Part User Adaptation Layer (draft-ietf-sigtran-sua-16), June 10,2003

IETF M2UA RFC 3331

IETF M2PA RFC 4165

BICC

Q.1902.1: Bearer Independent Call Control (BICC) protocol (CS2) functional description

Q.1902.2: Bearer Independent Call Control (BICC) protocol (CS2) and Signalling System No.7 - ISDN User Part general functions of messages and parameters

Q.1902.3: Bearer Independent Call Control (BICC) protocol (CS2) and Signalling System No.7 – ISDN User Part formats and codes

Q.1902.4: Bearer Call Control protocol, Basic Call Procedures

Q.765.5: Application transport mechanism– Bearer independent call control (BICC)

Q.1912.5 Interworking between SIP and BICC/ISUP

Q,1970 BICC IP Bearer Control Protocol

Q.1990 BICC Bearer Control Tunnelling Protocol

Nokia and Ericsson Nb' Media Interface

SIP/SIP-T/SIP-I

RFC 2327, SDP : Session Description Protocol

RFC 2806, URL's for Telephone Calls

RFC 2833, RTP Payload for DTMF Digits, Telephony Tones and Telephony Signals

RFC 2976, SIP INFO

RFC 3204, MIME types for ISUP

RFC 3261, SIP: Session Initiation Protocol

RFC 3262, Reliability of Provisional Responses in the Session Initiation Protocol (SIP)

RFC 3263, Session Initiation Protocol (SIP): Locating SIP Servers

RFC 3264, An Offer/Answer Model with the Session Description Protocol (SDP)

RFC 3311, The Session Initiation Protocol (SIP) UPDATE Method

RFC 3323, A Privacy Mechanism for the Session Initiation Protocol (SIP)

RFC 3325, Private Extensions to the Session Initiation Protocol (SIP) for Network Asserted Identity within Trusted Networks

RFC 3398, Integrated Services Digital Network (ISDN) User Part (ISUP) to Session Initiation Protocol (SIP) Mapping

RFC3372 Session Initiation Protocol for Telephones (SIP-T): (SIP-T): Context and Architectures.

RFC3578 Mapping of Integrated Services Digital Network (ISDN) User Part (ISUP) Overlap Signalling to the Session Initiation Protocol (SIP)

RFC 3551, RTP Profile for Audio and Video Conferences with Minimal Control

RFC2633 S/MIME Version 3 Message Specification

RFC 3555, MIME Type Registration of RTP Payload Format

RFC 3581, An Extension to the Session Initiation Protocol (SIP) for Symmetric Response Routing

RFC 3966 , The tel URI for Telephone Numbers

TS 24.229, Internet Protocol (IP) multimedia call control protocol based on SIP and SDP

ISUP/TUP

ITU Q.761-4

ITU Q.767, 1992

ITU Q.784, 1997

ISUP 2000

ANSI T1.113

ETSI 300-356-1 V3

ETSI V4

National Variants

France, Britain, Italy, Spain, Japan(TTC), Germany, Nortel RLT(ANSI and ITU), China YDN-038, Finland, TUP (GF001-9001), BT ISUP/IUP, French National TUP (SSUTR7),Australia (CA30)

INAP (SCF, SDP, SRF)

ETSI 300 374-1 (CS1)

ETSI 301 140-1 (CS2)

Telcordia SR-3511

GR-1299-CORE

ANSI TIA/EIA/-41.5 D (IS-41)

ANSI T1.114-1996

WINS 1 & 2

ETSI 101 046 v5.6.0 CAMEL v1

ETSI 101 046 v6.3.0 CAMEL v2

ETSI 129 078 v3.6.0 CAMEL v3

Ericsson R1 & R2, CS1+

Alcatel CS-1, CS-2

Alcatel E10 & S12 variants

Siemens SINAP v5-7

Marconi INAP

Nokia R3+

Nortel CS1-R

BT INAP

Bellcore SR-3389

TP-INAP 1.4+ (Telekom Polska)

TINAP (Telkom South Africa)

Cisco ITP/PGW (IETF Sigtran SS7 SUA Draft Version 16)

CAMEL GSM 09.78 v5.6.0

CAMEL GSM 09.78 v6.3.0

MGCP

IETF RFC 2705

MEGACO

IETF RFC 3525/ITU H.248

MSCML/MSML

RFC 5022 Media Server Control Markup Language and Protocol

draft-saleem-msml-09 Media Server Markup Language

MISC

Network Time Protocol

SNMP v1,2

Webservices (WSDL) interface for configuration and maintenance