

Sti//ink x100

With dual E1 interfaces that allow TDM connections with DSS1 Euro ISDN and QSIG signaling and an ethernet interface for a single E1-span (30 SIP channels) or dual E1-span (60 SIP channels) VoIP access, the Stillink x100 is a low cost but capable and robust **ISDN - SIP (VoIP) Access Gateway.**



Stillink x100 integrates both packet and circuit switching technology. The all-protocol switching capability and advanced routing features contained in Stillink x100 represent a bridge between a legacy TDM equipment and VoIP network. Furthermore, Stillink x100 is with the TDM by-pass feature that operates not only for IP network failures but also for pre-selected routes. Alternate routing capability provides automatic fall back to the TDM if the IP network is inaccessible. Another advantage is that, enterprises may keep their present TDM connections while migrating to VoIP technology.

With the Realtime Protocol Analysis feature in the Stillink x100, it is possible to monitor any E1 interface by decoding signaling or protocol existing on it.

Over 24,000 BHCA without any loss in the quality of service, Stillink x100 makes the traffic management highly efficient and versatile. Such highly efficient use of the system's resources, with the help of intelligent algorithms, leaves very little, if any, possibility that an overload condition will arise.

Stillink x100 has been designed and manufactured by Telesis A.S.
Your Solution Provider
since 1983

SOLUTIONS FOR A WIRED WORLD...

General

| | |
|--|-------------------------------------|
| Operational software: | Telesis Xymphony rX |
| Maintenance and administration: | Over IP; web and/or SNMP |
| CPU: | High MIPS Digital Signal Processors |
| Ethernet interface: | 10/100 BaseT |
| Caller ID ETSI FSK modem: | ✓ |
| Integrated CMDR buffer: | ✓ |
| Integrated LDAP server: | ✓ |
| Integrated DVR (Digital Voice Recorder): | ✓ |
| FTP client: | ✓ |
| Conference hardware: | ✓ |
| DTMF transceivers: | ✓ |
| HDLC transceivers: | ✓ |
| Real-time charging: | ✓ |
| A-Party analysis: | ✓ |
| B-Party analysis: | ✓ |
| Remote access: | ✓ |
| Programmable tones: | ✓ |

Interfaces

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|---------------------------------------|-----------------------------|
| E1 interfaces (ITU-T G.703): | 1 or 2 E1s, 120ohm balanced |
| VoIP interface: | 10-100 BaseT Ethernet |
| Concurrent VoIP-TDM gateway channels: | 30 or 60 |

TDM Signaling

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|--|---|
| ISDN (Euro ISDN, DSS1), ETSI EN 300 403: | ✓ |
| ISDN (QSIG), ECMA-143 PISN: | ✓ |
| ISDN TE Connection: | ✓ |
| ISDN NT Connection: | ✓ |
| ISDN Supplementary services: | 3PTY, AOC, CCBS, CCNR, CFU, CFNR, CLIP, CLIR, COLP, COLR, ECT, DDI, HOLD, MCID, MSN, UUS |
| Applicable Standards for ISDN: | ETS-300 011, ETS-300 051, ETS-300 057, ETS-300 089, ETS-300 094, ETS-300 102, ETS-300 125, ETS-300 129, ETS-300 178, ETS-300 186, ETS-300 199, ETS-300 206, ETS-300 207, ETS 300 239, ETS-300 284, ETS-300 356, ETS-300 367, ETS-300 402, ETS-300 403 |
| Realtime Protocol Analysis: | Yes, an embedded ISDN (DSS1, QSIG) protocol analyzer is included |

IP Telephony

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|--|----------------------------|
| Interface: | 10/100 BaseT |
| SIP Session Initiation Protocol, RFC 3261: | ✓ |
| Telesis xSIP (eXtended SIP) protocol: | ✓ |
| FTP (File Transfer Protocol): | ✓ |
| Adjunct protocol: | ✓ |
| XDP (Xymphony Discovery Protocol): | ✓ |
| G.711 audio codec: | ✓ |
| G.723.1 (5.3 and 6.4kbps) audio codec: | ✓ |
| G.729, G.729AB audio codec: | ✓ |
| G.711 frame length: | 10 to 90msec |
| G.723.1 frame length: | 30 to 90msec |
| G.729, G.729AB frame length: | 10 to 90msec |
| Silence Suppression (VAD): | ✓ |
| Echo Canceler G.168-2002: | ✓ |
| QoS (Tos and Diffserv): | ✓ |
| T.30 Fax Pass-through over SIP: | ✓ |
| Integrated SIP registrar: | ✓ |
| IP-TDM gateway channels: | 30 or 60 |
| Programmable ports / sockets: | ✓ |
| IP to TDM gateway capability: | ✓ |
| TDM to IP gateway capability: | ✓ |
| SIP supplementary services: | ✓ |
| Automatic conversation recording for VoIP: | ✓(optional with licensing) |

Power

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|---------|--------------|
| Input: | 180-240 VAC |
| Output: | 5 VDC, 1 Amp |

Mechanical

| | |
|-------------|---|
| Dimensions: | 128 x 51 x 138 mm (width x height x depth) |
| Weight: | 690 grams with a single E1, 720 grams with dual E1s |

Designer and Manufacturer:

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