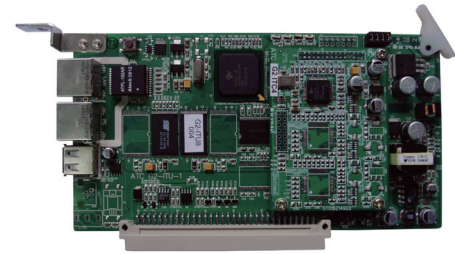


Product Overview

The G2-ITU is a Trunk Interface Unit designed to be installed in the TDS Hybrid IP system. It enables networking capability between systems over a SIP Based VoIP infrastructure, allowing direct station to station dialing, enhanced call routing and avoidance of costly toll charges. The G2- ITU also can be used as a replacement for traditional telephone lines, offering additional features and significant cost savings on monthly telephone bills.



Specifications

Model	Voice Channels
G2-ITU4	4
G2-ITU8	8
G2-ITU16	16

Capacity

- Each TDS's cabinet has 10 I/O slots (80 ports). The G2-ITU can be installed in any slot.

VoIP

- Codec: G.711A, G.711u, G.723, G.729
- Audio quality:
 - VAD (Voice Activity Detection)
 - CNG (Comfort Noise Generation)
 - PLC (Packet Loss Concealment)
 - AJB (Adaptive Jitter Buffer)
- Echo cancellation: G.168
- Gain Control: Input / Output: +/- 14db
- DTMF signal: In-Band, SIP-Info, RFC 2833
- DTMF payload: 96/101
- Communications protocol: SIP RFC-3261
- Support the features of the Outbound Proxy Server.
- Support IP address or Domain name setup.
- RTP/RTCP (Real-Time Transport Control Protocol) RFC 3550, RFC 3551, RFC 2198
- Network management features
 - Web browsing setting: HTTP
 - Password-protected
 - Support Static, DHCP, and PPPoE IP address assignments
 - Software update: TFTP
 - Support backup and restoration of the config file.
 - Event Log File: TFTP
- QoS (Quality of Service): RTP(TOS/Diffserv), UDP(TOS/Diffserv)
- Phone book: 20 sets of telephone numbers and their respective IP addresses.

Features

- **ITU**
 - 20 sets of Telephone Number to IP Address Conversions for peer-to-peer connections.
 - Each VoIP trunk can be configured its primary and a secondary SIP Server respectively.
 - Each VoIP trunk can be configured to connect to other VoIP devices in peer-to-peer mode or through the SIP Proxy Server.
 - Incoming Trunk Hunt group capability
 - Caller ID Message: Telephone Number and Name
 - Each VoIP trunk can be set individually to different SIP & Proxy servers. (4 sets of servers could be selected)
 - Support peer-to-peer VoIP communication under NAT environment.
 - ITUs can be integrated together by registering with one another to provide station to station dialing on inter-system connections.
 - Auto-detect and auto-adjust fax signal for the T.38 relay standard.
- **TDS System Features**
 - DID (Direct Inward Dialing)
 - MSN (Multi-Subscriber Number)
 - LCR (Least Cost Routing)
 - All existing standard outside line features in the TDS are included, such as Incoming Call, Outgoing Call, Day & Night Service, DISA (Direct Inward System Access), Toll Control, Call Accounting (with SMDR), CO Line Ringing, Automatic Transfer, Line Group Assignment, etc.

* Specifications are subject to change without prior notice.