

STN2612

Digital Dial in Solution



STN2612 Digital Dial-in Solution

Current typical POS concentration solutions were developed in 90's with those days technologies, before routers, they were based on hybrid networking solutions, network access devices. The POS networking was one of the supported feature of these devices. The management programs of such solutions show the complexity of the solutions with lots of parameters to fill. At that time it was acceptable, because those devices handled the rest of the networking issues as well as POS networking. Now it is router's time, these devices are changed with router for general networking issues, but still in use because of POS networking. The overheads of such solutions are visible. (The some of the routers are being used for POS networking but they limit end users in many ways) In other way the requirements for POS networking still exist, based on newest technology and with POS specific easy to apply & integrate approach.

Architecture

The STN2612 is the perfect POS networking solution for branch offices and central sites. It supports 30 ISDN PRI channels with Ethernet/IP uplink and redundant dual power supplies. STN2612 supports 1200 / 2400 / 9600 / 14400 / 33600 bps rates. Dual power supplies offering uninterrupted operation are hot swappable. The router card supports 10/100Mbps ethernet connection with IP protocols.

Open Development Environment

STN products are based on 'open development architecture', it gives great flexibility to customize products according to customer requests.

Open Development Environment

The STN2612 can be managed by WEB and SSH services remotely. To manage STN products you do not need any special program, the only need is WEB browser (Https) or SSH.

Another alternative is STNVIEW (GUI). STNView is a client program, gives GUI interface to access STNMaster.

STNMaster is the agent based Server program, the agents are reporter, gateway, authorization, file download, status, configuration. These 6 agents handle all management functionality in distributed architecture.

ANMP (Advanced Network Management Protocol) is developed for STN series of products. By using DLL's supplied by STN, it is easy to add server, application program, database as an object to STNMaster. There is only need to define an object to STNMaster, and reply STNMaster requests from targeted object by using supplied DLL's.

FEATURES

- * Central - Branch device supports 30 digital lines
- * Less footprint
- * Less energy consumption
- * No fans
- * ISDN PRI (Balanced E1 - 120 Ohm) support
- * Fast connect (fast handshaking) modems
- * ISDN PRI Line control facility to determine defectives lines
- * Dual redundant power supplies with dual power cords
- * 10/100Mbps, autosensing ethernet port
- * Multiple Host connection with backups based on NII values
- * NII values overwrite function
- * Forced NII Routing
- * All txn's to single IP feature
- * Multiple Terminal Control Program connections with backups*
- ISO8583, VISA, VISA-2, PPP protocol support
- * Application level awareness
- * ISO8583 authorisation /reversal messages ratio
- * Successfull transactions ratio
- * User definable trigger values to manage operation
- * Last 100 txn's ratio's (living)
- * Chassis capacity is in "full usage" alarm
- * No overflow on modem cards statistics
- * No need for management program for configuration download and operation
- * Outbound device management (UDP)
- * Intelligent error recovery procedures
- * Flexible and open to develop management protocol (ANMP)
- * Object oriented management program, reporting facility, 'collect what you need!'
- * Remote program upload for modem and router cards.
- * Remote trace facility

STN2612 SPECIFICATIONS PHYSICAL SPECIFICATIONS

PHYSICAL DIMENSIONS:
Width: 19" (with modules)
Height: 1U

ELECTRICAL:
AC Power: 115/230 VAC, 50/60 Hz, Standard dual power supply, autosensing

OPERATING ENVIRONMENT:
Humidity: %5-%80 non-condensing,
Operating Temperature: 0-50 C

PROCESSOR:
Parallel Processing, DSP's

CARDS SPECIFICATIONS

WAN PHYSICAL CONNECTIONS:
Ethernet - 100BaseT, RS232C/V.24 low speed port

MODEM CARDS: (DSP based)
Modulations: V22, V22bis, V29, V32, V34, V34bis
Modem Speeds: 1200bps, 2400bps, 9600bps, 14400bps, 33600bps
Displays: Channel active, idle status

DISPLAYS
LED's for various status Display, Line up/down, PRI
int.up/down, 1-30 Channels active/idle

