NSGDatacom

Reduce Costs by Connecting Legacy Lottery Terminals over IP Networks

- **Migration Path to IP**

- **Protect Investment in Host and Terminal Equipment**

- **Reduce Transaction time**

- **SNMP Manageable**

- **Supports for X.42 (including manufacturer specific variants), SNA, Bisynch, Frame Relay, X.25, TCP/IP and XOT (RFC 1613)**

NSGDatacom has over 14 years experience developing, manufacturing and supporting products for Lottery, Point of Sales and other transaction-based networks. We are focused on providing our customers the ability to migrate to an IP network without removing their legacy equipment.
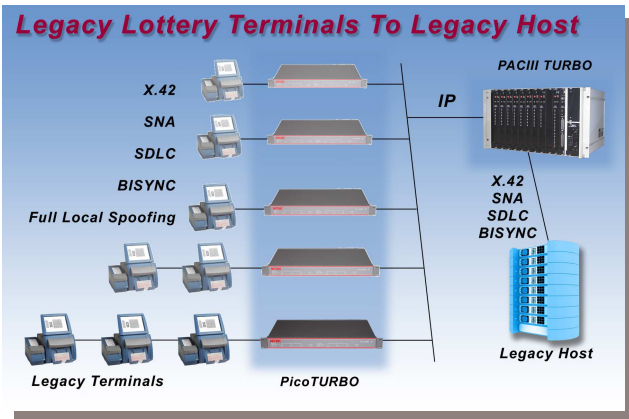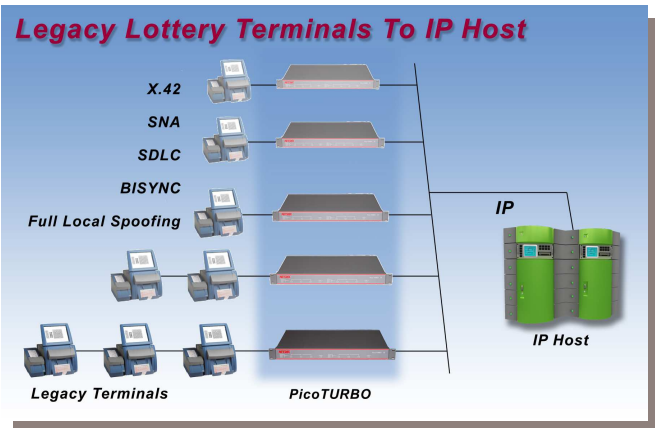
The newest TURBO products from NSG provide a unique combination of legacy protocol support plus advanced IP connectivity with VPN security to make the transition from legacy systems to IP as trouble-free and cost-effective as possible. Our products utilize a combination of protocol conversion, protocol spoofing and other proprietary techniques to enhance performance over terrestrial, wireless and satellite networks, whether using IP backbones or other proven packet-based connections.

The TURBO product line supports a wide range of protocols used by legacy lottery systems such as X.42 (including manufacturer specific variants), SNA, Bisynch, Frame Relay, X.25, TCP/IP and XOT (RFC 1613). Most importantly, the TURBO product line includes enhanced proprietary multi-drop and native spoofing modes of

> **Migrate to an IP Network AND Keep Your Legacy Lottery Equipment**

operation, which reduce network latency and speed-up transaction times over terrestrial, wireless and satellite networks.

The TURBO products facilitate the transportation of legacy WAN protocols over IP via Ethernet, PPP, X.25, or Frame Relay, using dial-up, leased line, Satellite, DSL, or Wireless networks, with the capability for any link to be designated as a primary or backup route.

Our products are deployed and have been in operation for over a decade in Carrier-grade networks, Lottery systems, and Banking applications.

Legacy Lottery Terminals To Legacy Host

Legacy Lottery Terminals To IP Host

Communication solutions from

NSGDatacom

extend. evolve. innovate.

NSGDatacom

PicoTURBO II

- A multi-protocol Switch/Router/Converter

- Quickly and easily configurable

- Supports X.42 (including manufacturer specific variants), SNA, Bisynch, Frame Relay, X.25, TCP/IP and XOT (RFC 1613) protocols

- Supports packets sizes up to 4096 bytes and has a maximum throughput of 60 packets per second for 128-byte data packets

- VPN Security

- SNMP and enhanced management

- Optional automatic fail-over protection

- Available in desktop or rack mountable forms

- Ideal for connecting lottery terminals to remote sites through Public or Private IP networks

- Software download capability enables new software to be installed without interrupting normal network operation
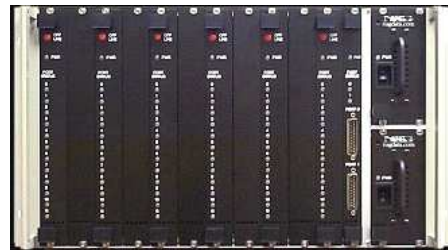
PicoTURBO II
Desktop Version

PicoTURBO II
Rack Mount Version

PAC III Turbo

- A multi-protocol concentrator, PAD, FRAD, and Switch /Router/Converter

- Supports X.42 (including manufacturer specific variants), SNA, Bisynch, Frame Relay, X.25, TCP/IP and XOT (RFC 1613) protocols

- Maximum capacity up to 72 ports

- Local and remote management is performed through a logical supervisory port in a menu driven external management system, and SNMP

- Hot swappable modules for ease of maintenance

- Supports up to 15 protocols concurrently with no performance degradation

- Optional power redundancy and is designed so that failure of a single module does not interrupt the operation of other modules

PACIII

For more information on our TURBO line of products please visit our website at http://www.nsgdata.com/turbo/

NSGDatacom

www.nsgdata.com

Specifications subject to change without notice