scannex III

ip.buffer range

- **PBX CDR/SMDR data logging**
- **Large scale managed services**
- **Remote device management**
- **Alarm monitoring**
- **Fraud and 911 detection**
- **Scientific data collection**

The Scannex ip.buffer range provides a powerful yet cost effective solution for the collection of any ASCII or binary data from serial and IP sources.

Bidirectional communication, authentication and encryption provide a safe method for remote device administration.

The ip.buffer has an extensive range of data delivery options using industry standard Internet TCP/IP protocols.

With large non-volatile flash memory the ip.buffer enables you to reliably store, monitor and manage your PBX and other devices.

Easy installation.
Install and monitor with a standard web browser.

Auto serial port detection.
Automatically detect RS232/V24 baud rate, protocol, and correct pin configuration.

Collect from IP sources.
Collect from TCP/IP enabled devices (including raw, Telnet, FTP, UDP, Syslog, SNMP trap, RADIUS Accounting), or collect from standard RS232/V24 sources.

Multi-port data collection.
Each channel can be configured individually allowing any mix of data collection, alarm detection and management over network or modem.

Pro-active.
Email, HTTP, and SNMP trap notifications on important events.

Secure transfers.
Industry standard TLS/SSL with AES-256 encryption for 'banking-grade' security on all delivery options, or SFTP/SSH secure push.

GPRS cellular modem option.
Optional GPRS modem provides fall-back data delivery if the main network fails, and also allows administration of the ip.buffer over the cellular network.

Firewall & IT friendly.
Deliver data using standard HTTP and HTTPS protocols, easing deployment - greatly simplifies managed service installations.

Flexible delivery.
Deliver data by raw TCP/IP push or pull, Email, HTTP post, FTP/SFTP push or FTP pull.

Reliable.
Uses the high assurance INTEGRITY Operating System from Green Hills Software.

Flexible scripting.
Powerful scripting for complex string detection, modification, and filtering of incoming data. Allows the ip.buffer to monitor for call types and patterns for Toll Fraud and 911 Detection applications.

Secure, Flexible, and Cost Effective Call Accounting Buffers

feature matrix

	ip.1-32	ip.4-128
Data Collection & Storage		
Serial Data Collection Ports	1	4
TCP/IP, Telnet, FTP, UDP, SNMP Traps, Syslog, RADIUS	√	√
Multi-homing (supports fixed-IP switches)	√	√
Record Time-Stamping	√	√
Flash Memory Size (10 year retention)	32Mb	128Mb
Memory Storage Channels	1	4
Dynamic Memory Allocation Between Channels	-	√
Data Delivery Options		
Real-Time TCP/IP (Client & Server)	√	√
FTP Server, FTP Push, SFTP/SSH* Push	√	√
Email (Triggered)	√	√
HTTP post to standard web server	√	√
Internal scheduler for FTP/HTTP/Email (per channel)	√	√
SSL Encrypted Connections for all delivery methods*	√	√
z-lib Data Compression on Delivery (FTP, HTTP, Email)	√	√
Modem Delivery across Internet (all delivery methods)	modem optional	modem optional
Scripting Engine		
Scripted Alarm and Fraud Detection	√	√
Scripted Record Processor (Filtering & Modification)	√	√
Scripted PBX Protocols	√	√
Scripted emulation of legacy buffers	√	√
Management & Security		
Web Server (http:// & https://*) for Configuration	√	√
RADIUS authentication	√	√
Pass-Through for Moves-And-Changes (all channels)	√	√
SNMP Agent	√	√
Syslog output and Audit Log	√	√
Remote Fail-Safe Firmware Upgrades	√	√
CHAP/PPP Modem Dial-In	modem optional	modem optional
Real-Time-Clock (battery backed) with SNTP & DST	√	√
Centrally managed using HTTP web server	√	√
Alerts		
Source Connect/Disconnect (COM & TCP) & Data Quiet	√	√
Percentage Full alarms	√	√
Comfort, Reboot, Config & Authentication	√	√
Temperature (upper & lower limits)	-	√
SNMP Traps (compatible with HP OpenView)	√	√
Installation Features		
Auto Pin, Baud, and Protocol Setup on Serial Ports	√	√
Auto cross-over, Full/Half Duplex on 10/100 Ethernet	√	√
Network Configuration Tool	√	√
Options		
Internal 33.6k Global Modem	ip.1-32.m	ip.4-128.m
GPRS Quad-Band Modem	ip.1-32.g	ip.4-128.g
Isolated -48 VDC Supply	n/a	ip.4-128-48
General		
2 Hour Battery Back-Up (Batteries not supplied)	√	√
Casing	Plastic	Metal
Mounting Options	DIN-Rail & Tie-Wrap	Rack-Mount
Kit Includes All Cables, Adaptors & PSU	√	√

* Requires Crypto-Enabled (SSL/SSH) Firmware Version. (Free download from our website)