ACCESSGUARD 500

PROVIDING A MORE SECURE MEANS OF CONNECTING EDGE IP POS DEVICES AND TRANSPORTING INFORMATION TO MULTIPLE LOCATIONS OVER SECURE OR UNSECURE NETWORKS.

The AccessGuard 500 solution from Traxcom Technologies is designed to process millions of IP based POS transactions, while delivering the fundamental security capabilities needed to enable safe and reliable transport of financial transactions, security verification, or any data which requires high levels of encryption over many network types. Designed with flexibility, the AccessGuard system can also process non financial based transactions, including, business to business verifications, security verifications, point to point encryption and a variety of custom applications that require the highest level security and efficiency.

The AccessGuard 500 terminates SSL sessions that are originated from IP supported POS. For the Financial providers it also supports transaction protocols like VISA I, VISA II, and ISO 8583, which allow AccessGuard to seamlessly interoperate with both next generation and legacy systems, while creating an environment for faster, reliable and more secure transactions.

KEY FEATURES AND BENEFITS:

ENCRYPTION OFFLOADING:

The AccessGuard 500 uses a next generation hardware acceleration encryption engine to achieve the performance required for the financial market. This means that as an SSL offloader, the host system is not responsible for processing any portion of the SSL traffic. By processing the entire SSL transaction, AccessGuard 500 follows a model of encrypted-data-in from POS to decrypted-data-out towards host system.

ENCRYPTION AGGREGATION:

This solution can aggregate thousands of simultaneous SSL and non-SSL connections and transactions. It can also support sessions re-use, introduced in SSLv3, which can be used to reduce the burden of establishing a new SSL session by reusing previously established SSL Session ID's. AccessGuard 500 can support thousands of persistent socket connections, which support session re-use.

REDUNDANCY & LOAD SHARING:

Our present design supports query and download of resolved IP addresses, which we store and utilize for redundancy routing and load sharing. It also provides a higher availability default path without requiring configuration of dynamic routing or router discovery protocol on every IP POS device.

SCALABILITY:

The AccessGuard 500 solution is designed to scale from supporting hundreds of IP POS terminals to supporting tens of thousands of terminals. Each system can support up to 2,000 concurrent sessions. By assuming a 1:10 ratio, this is equivalent to 20,000 IP POS terminals. This means, supporting one million IP POS terminals can be simply achieved by distributing AccessGuard 500 nodes throughout the network.

Products sold in financial transaction market require strict adherence to regulatory and agency approvals. PCI security requirement is among one of them. Also, support of financial transaction protocols like VISA I, VISA II, etc provides an opportunity to offer more value added services on top of simple transparent routing of today.

Traxcom Technologies AccessGuard 500 can securely interconnect the acquiring new or legacy host servers with next generation IP POS terminals, while safe guarding the sensitive data during its transit over the public internet or private network. Because of our vast years of experience in designing and selling financial services products including, transaction gateways for POS terminals to the financial market, Traxcom Technologies has the know-how to provide powerful value added services with reduced cost of transactions.

TECHNICAL SPECIFICATIONS:

POWER REQUIREMENTS
- **48V DC:** 1.32 Amps
- **120V AC:** 0.5 Amps
- **240V AC:** 0.25 Amps

DIMENSION AND WEIGHT
- 17"x15"x 1U in height
- 19"rack mountable
- 12 lbs in weight

OPERATING ENVIRONMENT
- **Operating temp:** 0ºC to +40ºC
- **Storage temp:** –20ºC to +70ºC
- **Operating humidity:** 5% RH to 95% RH (non-condensing)
- **Storage humidity:** 5% RH to 95% RH (non-condensing)

REGULATORY/AGENCY APPROVALS
- EIA-310-D
- FCC Part 15 Class B testing
- UL 60950-1 and EN 60950-1 HiPot
- RoHS compliant & lead free

PHYSICAL INTERFACES
- 2 Gigabit Ethernet SFP
- 2 shielded RS-232 console port

IP PROTOCOLS
- NTP
- TCP/IP
- DNS
- LDAP
- RIPv2

MANAGEMENT
- SNMP
- SSH
- GUI
- Alarms/Traps
- Syslog

PROCESSOR
- Dual-core MIPS64
- 1 GB (DDR2-400) RAM

ENCRYPTION ENGINE
- Imbedded Encryption co-processor
- 64 MB total of DDR266 RAM

OPERATING SYSTEM
- VxWorks Realtime operating system

SECURITY
- SSL v3.0, v2.0
- PCI security requirements
- Digital Certificate

ENCRYPTION
- RC4(40,128)
- 3DES(168)
- DES(56)

KEY EXCHANGE
- RSA
- RSA(512)
- Diffie-Hellman

MAC
- MD5
- SHA1

TRANSACTION PROTOCOL SUPPORT
- Transparent
- VISA I/ II (EIS)
- ISO 8583

CALL DETAIL RECORD
- RADIUS

CAPACITY
- Up to 500 TPS
- Up to 2000 concurrent sessions

Please note the information contained herein is for informational purposes only. Technical claims listed depend on a series of technical assumptions. Your experience with these products may differ if you operate the products in an environment, which is different from the technical assumptions. Traxcom Technologies reserves the right to modify these specifications without prior notice.   Traxcom Technologies makes no warranties, express or implied, on the information contained in this document.

Traxcom Technologies LLC
621 Busse Road, N IL RT 83, Suite 260
Bensenville, IL 60106
Tel: 1-630-521-9630
Fax: 1-630-521-9642
www.traxcomtech.com