

Upgrade from Legacy NACs to Cutting Edge Technology Payment Transport, Routing & Switching Networking System



Quick Facts

30 years in Industry

55 countries across the world served

20 customers with 1B+ annual transactions

100 systems in multiple customer deployments

1,000 E1/T1 PRI in largest network

6,000 concurrent IP/TLS transactions per system in major networks

2,000,000 POS devices and higher in multiple customer networks



- ✓ **Reduced TCO:** Highest modem port density per cards, least number of cards and small systems size, all contributing to a huge saving in terms of operations, maintenance, power and space requirement.
- ✓ **Highest ROI:** Systems leverage redundant processors, multiple E1/T1 cards, highest number of Ethernet ports ensuring high availability of the payment transport in all conditions and at all times.
- ✓ **Integrated System:** TLS Offloader, Load balancer, Protocol Translator, Payment Router, HTTPS payment handler, SIP trunking – all in one system.
- ✓ **Best in Class Performance:** Load sharing of transactions among the systems along with load sharing among systems and across Host Servers, improving overall payment network performance.
- ✓ **Industry's Acclaimed Security:** FIPS certified Crypto, HSM engines with ability to support advanced encryption including AES for strongest levels of data security.
- ✓ **Unmatched Transaction Speed:** HW Acceleration for TLS/IP transactions with Cryptographic processor, a basic requirement in high volume SSL processing.
- ✓ **Highest Volume:** Proven capability to handle 1000s of concurrent IP/TLS transactions with high speed completion.
- ✓ **Largest Dial Capacity:** Transaction capability with 16 T1s/system traffic for seamless continuous operation.
- ✓ **Versatile Networking:** 1Gbps, 10Gbps Ethernet port and 8/12/24 Ethernet ports for uplink/downlink of IP/SSL IP transactions extending capability for handling traffic in multiple directions including public/private networks without any limitations.
- ✓ **PCI Compliance:** Operating System and Application hardened for PCI DSS, a major security requirement with PCI.
- ✓ **Faster Time to Market:** Migrate Mobile / Internet Payments to Cloud based resilient, high security infrastructure with STC application
- ✓ **Future Proof:** Support for mobile/internet payments and IP based POS/client devices for supporting current and the emerging payment devices.
- ✓ **Seamless Upgrade Execution:** Experienced payment industry professionals from the best in networking, security and payment industry

Systems Comparison



	NewNet	Competitor
Product	Total Control STG	NAC System
System Capacity for IP Transactions	6000 concurrent TLS/IP sessions	1024 Sessions
Equal number of Host Sessions, POS Session Capacity	6000 POS, 6000 Host connections	NO
8 E1/T1 Ports Per Modem Card	Highest in industry	NO
Auto Detect High Speed Async, Sync Trans	Unique offering in industry	NO
Dual Intel Processors	8 cores processors, each @ 2.4GHz	NO
Cryptographic Processor	Security processing accelerated and offloaded	NO
High speed TLS/SSL Transactions	17,000 RSA Ops/Sec crypto processor	NO
10Gig Ethernet Ports	Up to 24x 1GE, 6 x 10 GE ports with Copper, Optic	NO
HW Assisted Security for Transactions	TLS 1.2, IPsec sessions with zeroing capabilities	NO
SNMP based network management	Support of SNMP V2c, V3 for network management	NO
Integration with external NMS	Integrates with Industry standard NMS applications	NO
HTTPS for Web/Mobile Payments	Web transaction for CNP, mobile app/browser payments	NO
VRRP based Redundancy/Failover	Active/standby, active/active models	NO
AAA for Authentication, Authorize, Account	Support for RADIUS, TACACS	NO
SIP Traffic Handling	Integrated SIP traffic based payment routing	NO
Load Balancing	Round robin, Preference value, Least Traffic, Lowest delay	NO

NewNet System Statistics

Peak hour
Mobile/Web/IP
Transactions
1.8M

Peak hour Dial
Transactions
200K

RSA Security
Operations/Sec
34K

Max Ethernet
Throughput
60Gbps

For more information
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