



NetCrypt S20

Compact & High Performance IP Encryptor

NetCrypt S20 is a compact IP encryptor that enables the user to leverage on public Ethernet/IP infrastructure to connect to multiple sites in a secure manner. NetCrypt S20 employs AES algorithm for data confidentiality, Secure Hash Algorithm (SHA) for integrity protection as well as internet key exchange (IKE) protocol for keys derivations and authentications. The built-in Firewall performs packet filtering and supports NAT/PAT features.

Supporting up to 50 tunnels with a maximum encrypted throughput of 100Mbps, NetCrypt S20 packs a big punch in a small foot print. It is ideal for deployments as a security gateway in a small office corporate LANs, site-to-site VPN, mobile vehicle and site-to-site wireless inter-offices connectivity.

NetCrypt S20 is interoperable with NetCrypt series of IP encryptor, allowing user to form a secure VPN between the corporate HQ and remote sites/branch offices. With the flexibility to use industry standard Simple Network Management Protocol (SNMP) network management system, NetCrypt S20 allows local and remote monitoring of devices, and firmware field-upgrading to ease new features introduction, algorithm updates and maintenance.



NetCrypt S20

Key Features

High-assurance IP encryptor with Firewall capabilities.

100Mbps throughput aggregate.

IPSec standards-based encryption, authentication, digital certificates and key management.

Supports AES algorithm for data confidentiality.

Supports 50 concurrent IPSec tunnels.

Easy deployment in existing network with 10/100/1000 Mbps LANs.

Slim and Compact.

Specifications

Network Interfaces:	<ul style="list-style-type: none"> - Trusted LAN 1 and Trusted LAN 2 ports: 2 x Ethernet RJ45 10/100/1000 Mbps auto-sensing port - External port: 1 x Ethernet RJ45 10/100/1000 Mbps auto-sensing port
Networking Features & Protocols:	<ul style="list-style-type: none"> - IP Security/Encapsulating Security Protocol - Support Layer 2 and Layer 3 encryption capability - IP Compression - QoS support - Traffic flow confidentiality
High Availability Features:	<ul style="list-style-type: none"> - Failover (Active/Passive mode) - Priority Based Redundant Secure Nodes
Authentication:	<ul style="list-style-type: none"> - Pre-shared Key - RSA Public Key Signature (up to 4096 bit)
Key Management:	<ul style="list-style-type: none"> - Support Internet Key exchange (IKE v2) - DH supports up to 8192 bit - Supports ECDH (up to P-521 bit) - Group Transport Protection: The device has the option of providing encryption and data integrity protection to all key exchange traffic including the initial key exchange traffic
Encryption Algorithm/ Modes:	<ul style="list-style-type: none"> - AES-CBC (256 bit)
Hash Algorithm:	<ul style="list-style-type: none"> - HMAC-SHA1 - HMAC-SHA2 (256, 384, 512 bit)
Performance:	<ul style="list-style-type: none"> - Zero-loss encrypted throughput up to 100Mbps (depending on IP packet size and used encryption mode) - Support 50 concurrent IPsec tunnels
Management:	<ul style="list-style-type: none"> - Interfaces: <ul style="list-style-type: none"> 10/100/1000 Mbps Ethernet RJ45 (remote management and local configuration) RS232 local console interface - Security/Configuration: <ul style="list-style-type: none"> Extensive audit logging Alarm detection and logging SNMP v2c network management (operates with standard SNMP network management station) - Supports up to 3-factor authentication
Security Features:	<ul style="list-style-type: none"> - Tamper-resistant chassis - Anti-tamper detection and response
Physical Characteristics:	<ul style="list-style-type: none"> - Dimensions: 30mm(H) x 230mm(W) x 150mm(D) - Power Supply: External 12VDC, 3.4A, 100-240VAC, 50/60 Hz Adaptor - Power Rating: 40W max - Weight: 1.25 KG
Environmental:	<ul style="list-style-type: none"> - Storage Temperature: -20°C to 70°C - Operating Temperature: 0°C to 40°C - Humidity: Relative 10% - 95%, non-condensing
Regulatory:	<ul style="list-style-type: none"> - EMC/EMI: FCC Part 15 Class B
Optional Feature:	<ul style="list-style-type: none"> - Supports customized algorithm loading feature

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