

DigiSAFE NetCrypt 30

Compact and high performance IP Encryptor

DigiSAFE NetCrypt 30 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 30 employs 3DES and AES algorithms for data confidentiality, Secure Hash Algorithm (SHA) as well as Internet Key Exchange (IKE) protocols for integrity protection and user authentication. The built-in Firewall performs stateful inspection, packet filtering and supports NAT/PAT features.

Supporting up to 50 tunnels with a maximum encrypted throughput of 70Mbps, NetCrypt 30 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 30 is interoperable with NetCrypt series of IP encryptors, allowing users to form a secure VPN between the corporate HQ and branch offices. With the flexibility to use industry standard Simple Network Management Protocol (SNMP) network management system, NetCrypt 30 allows local and remote monitoring of devices, and firmware field-upgrading to ease the introduction of new features, algorithm updates and maintenance.



Key Features

- High-assurance IP encryptor with Firewall capabilities
- 70Mbps throughput aggregate
- IPSec standards-based encryption, authentication, digital certificates, and key management
- Supports AES, 3DES algorithms for data confidentiality
- Supports 50 concurrent IPsec tunnels
- Easy deployment in existing network with 10/100Mbps LANs
- Compact and small foot print

Technical Specifications

Network Interfaces

- Trusted and untrusted port: 3 x Ethernet RJ45 10/100Mbps auto-sensing port
- Management port: 1 x 10/100Mbps Ethernet RJ45

Networking Features & Protocols

- Supports IP, TCP, UDP, ARP, SNMP, ICMP
- IP Security/Encapsulating Security Protocol (IPSec/ESP)
- IP Compression
- QoS support
- Traffic flow confidentiality

Authentication

- Pre-shared Key
- RSA Public Key Signature

Key Management

- Internet Key Exchanged (IKE) v2
- DH support up to 8192 bits

Encryption Algorithm

- AES-CBC (128,192,256-bit)
- 3DES-CBC (168 bit)
- Supports customerized algorithms (optional feature)

Hash Algorithm

- HMAC-MD5
- HMAC-SHA1
- HMAC-SHA2

Performance

- Zero-loss encrypted throughput up to 70Mbps
- Supports up to 50 concurrent IPsec tunnels

Management

- Interfaces
 - 10/100 Ethernet (remote management and local configuration)
 - RS232 local console interface
- Supports up to three-factor authentication
- Security/Configuration
 - Extensive audit logging
 - Alarm detection and reporting
 - SNMP v2c network management (operates with standard SNMP network management station)

Security Features

- Tamper-resistant chassis
- Anti-tamper detection and response

Physical Characteristics

- Dimensions: 30mm(H) x 214mm(W) x 150mm(D)
- Power supply: External 5V, 5A AC adaptor

Environmental

- Storage Temperature : -20°C to 70°C
- Operating Temperature: 0°C to 45°C
- Humidity : Relative 95%, non-condensing

Regulatory

- EMC/EMI : FCC Part 15 Class B