

N'Cryptor

N'Cryptor™ is a compact digital encryption device equipped with Ethernet interface ports. It can be easily placed within a network to provide point-to-point encryption without taking up significant real estate. N'Cryptor locates between the network and the IP device such as an IP camera, laptop or IP Phone.

Point-to-point Security

N'Cryptor is the perfect device to enable point-to-point security regardless if it is over LAN or WAN. It can be used to encrypt information for standalone IP camera, provide encryption for VoIP and for network links in ATMs.

Management software is used to assign a unique certificate for each N'Cryptor device. Validation of the certificate is performed against a digital signature stored in secure flash area. Administrative right is required to overwrite the signature.

Easy Deployment

N'Cryptor's compact size allows it to be easily deployed onto new or existing new work. It requires low power supply which can be provided either through Power over Ethernet or a 5V/1A DC input.

Encryption

N'Cryptor is an IPsec compliant device. It uses a hardware-based, symmetric 256-bit AES encryption algorithm for encrypting the data stream, thus ensuring that the data transmitted is protected from network sniffers.

Compared to software encryption, N'Cryptor does not compete for resources with the host-processor. Being an external device, it does not require software call setup and is able to provide the encryption functionality transparent to the host.

Feature

- No load on host processor
- No call set-up delays
- Compact Size
- Low Power Consumption (supports PoE)
- IPsec Compliant
- Easy deployment



Specifications

Size: Compact - 85x35x35mm

Power: Low power consumption - less than 5W power draw Supply power using either Power over Ethernet or 5V/1A DC input

Throughput: 10Mb/s

Encryption: 2048-bit RSA key for certificates 256-bit AES encryption for data IPsec compliant

Management: VPN gateway software run on standard server hardware configures network settings and assigns a unique certificate for each device

Tamper-proof: Each device stores signature of VPN gateway that configured it in secure flash so configuration can only be modified by that same VPN gateway.



PCS
SECURITY

91 Bencoolen Street, #07-03

Sunshine Plaza, Singapore 189652

Tel: (65) 6822 8718 Fax: (65) 6822 8716

Website: www.pcs-security.com Email: enquiry@pcs-security.com