



Q-Net Security

Q-Box



THE Q-BOX IMPLEMENTS A “BUMP-ON-WIRE” APPROACH TO SECURE IP NETWORK CONNECTIONS TO END-POINTS.

The unit contains a hardware security barrier between encrypted data on the network and un-encrypted data in/out of each end point. Each packet of data is encrypted/decrypted with an individual key and authenticated to come from only authorized destinations. In addition, the Hardware barrier operates at line rate which means all unauthorized data is discarded without effecting the operation of the end-point.

HIGHLIGHTS

PRODUCT NAME: Q-Box

MANUFACTURER: Q-NET SECURITY, INC

MODEL NUMBER: QBX-01000A

DOCUMENT NUMBER: QNS-QBX-080120-01

NOTES: Alternative physical configurations are available

INPUT / OUTPUT

1x RJ45 10/100Mb Ethernet Port (Encrypted Network Traffic)

1x RJ45 10/100Mb Ethernet Port (Clear Endpoint Traffic)

1x DC Locking Barrel Connector

PHYSICAL

Form Factor: Custom

Height: 1.38" (35mm)

Width: 6.5" (165mm), 8.5" (215mm) with mounting plate

Depth: 4.5" (114mm)

POWER

12V DC, 15W Power Supply

OPERATING ENVIRONMENT / COMPLIANCE

RoHS Compliant

Operating Temperature: -20°C to 70°C (-4°F to 158°F)

Operating Relative Humidity: 40°C at 95% (non-condensing)

OPERATION

Maximum Secure Connections: 2,000

Maximum Secure Network Bandwidth: 100Mb/s

Encryption Type: AES256-GCM

Encryption Keys: Changed as often as 1 per packet