



Q-Net Security



Q-Box v2

The Q-Box implements a “bump-on-wire” approach to secure IP network connections to end-points. Each packet of data is encrypted 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.

QB2 offers an improved SWaP along with Deep Packet Inspection compatability using the Traffic Mirroring feature.

HIGHLIGHTS

- 1. **Product Name:** Q-Box
- 2. **Manufacturer:** Q-NET SECURITY, INC.
- 3. **Model Number:** QBX-100311
- 4. **Document Number:** DS-QBX-100311-25313
- 5. **Notes:** Deep Packet Inspection compatability using Traffic Mirroring

INPUT/OUTPUT

1x RJ45 10/100Mb/1Gb Ethernet LAN Port (Encrypted Traffic)
1x RJ45 10/100Mb/1Gb Ethernet LAN Port (Clear Traffic)

PHYSICAL

Form Factor: Custom
Height: 4.5" (115mm)
Width: 3.765" (95mm)
Depth: 1.25" (32mm)

POWER

6.5W
Input Voltage: 4.6V-36V DC
TBP02P1W-381-03BE Same Sky Power input

OPERATING ENVIRONMENT / COMPLIANCE

RoHS Compliant
Operating Temperature: -40C to 80C (-40F to 176F)
Operating Relative Humidity: 40C @95% (non-condensing)

OPERATION

Maximum Secure Connection: 2,000
Maximum Secure network bandwidth: 190Mb/s
Encryption Type: AES256-GCM
Encryption Keys: changed as often as 1 per packet