SPECFICATIONS
CRYPTOGRAPHIC FEATURES
» Complete Cryptographic System Module
» Fully Programmable
» Encrypt/Decrypt
» Message Types
» Trusted Bypass
» Digital Signatures
» Public Key Certificates
» Plaintext Override
» Pin-Based Authentication (supports tactical keypads)
» Key Load
» Key Storage
» Anti-Tamper
» TRANSEC
» Data-at-Rest

INTERFACES
Dual 10/100/1000 BASE-T Ethernet
Plaintext, Ciphertext
PCI Bus (PMC, PCI, or PCIe)
Plaintext
Asynchronous Serial Interface (ASI)
Ciphertext
Power Input
3.3 V, 5 V

PERFORMANCE
Throughput
180 Mbps
Simultaneous Active Circuits
253
Simultaneous Active Keys
253
Key Storage Capacity
1,000

CERTIFICATION
FIPS 140-2 Level 2

PHYSICAL
Size (W x H x D) 2.9 x 5.9 x 0.6 in.; 74 x 149 x 15 mm
Weight 6 oz
Power 10 W typical

ENVIRONMENTAL SPECIFICATIONS
Board encapsulated in hard epoxy and conformal coat
Temperature
» Operational 0° to 50°C
» Storage -40° to 70°C
Altitude
» Operational 50,000 ft
» Storage 70,000 ft
EMI/EMC
FCC Class B
Shock/Vibration
MIL-STD-810G
Humidity
» Operating 95%, Non-Condensing
» Transportation and Storage 100%, Non-Condensing

SOFTWARE UPGRADEABLE FEATURES
» Variety of Suite B Algorithms and Modes
» Dynamically Loadable Guard Policies
» Over-the-Air Rekey
» Interface to Multiple Key Fill Device Types
» Extended Data Rates up to 1,000 Mbps
» RS-485 Key Fill
» KMI Compatibility
» Remote Zeroization

ORDERING INFORMATION
PART NUMBERS
ES-2200 1113106

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