

IGUANAGreen Mini

100MBPs Commercial High Assurance Hardware IP Encryption



Key Features:

- High-availability design for commercial and industrial applications
- Small, low power consumption and easy to configure
- High speed, low latency
- Can be pre-keyed for quick deployment
- Tamper detection
- 64 duplex security associations

IGUANAGreen Mini is a small, lightweight, commercial variant of L3 TRL Technology's high grade, assured hardware encryption solution. Ideally suited to protecting voice, data and industrial control system (ICS) traffic, it offers the highest level of encryption.

Based on CATAPAN, which delivers optimal security and low through-life cost, IGUANAGreen has been specifically designed to deliver the highest levels of security and functionality coupled with the fastest speeds available in order to enable all sizes of organisation to protect their data.

With an increase in the use of public IP networks comes an inevitable escalation in the risk of cyber attack. The frequency, severity and sophistication of these attacks is on the rise and multiple variants of both systems and information is being targeted.

In order to keep pace with evolving threats, businesses need to deploy a security strategy which not only protects the integrity and confidentiality of their data today, but also mitigates evolving threats in the future.

Strong and well-implemented encryption provides the most trusted mechanism for guarding against cyber infiltration. As well as protecting data in transit over unprotected networks, such as WAN infrastructures and the internet.

IGUANAGreen is a family of devices that offer transparent encryption capabilities with exceptional security and performance.

Modern cryptographic algorithms, such as AES, are unbreakable with current technology but a poor implementation of security functions often renders devices vulnerable to cyber attack and compromise.

Based on CATAPAN technology, which underpins high assurance encryptors used by several governments, IGUANAGreen shares its fault-tolerant hardware security architecture and provides the strongest possible defence against cyber attack and information loss.

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security



Features - Cryptography & Security

Protocols & Standards	Compliant with UK PRIME (protocol requirements for IP modular encryption)
Algorithms	UK & US NSA Suite B traffic protection suite
Traffic Encryption	AES-256 in Galois / Counter Mode
Public Key Agreement	Elliptic Curve Diffie-Hellman (ECDH) 384-bit
Hashing	SHA-384 (Secure Hash Algorithm)
Signatures	ECDSA (Elliptic Curve Digital Signature Algorithm) with SHA-384
Emergency	Total Erase capability
Keying	Over-the-network key fill

Specification

Physical Characteristics	Size: 27x93x155mm Weight: 566g
Power	<10 watts 100-240VAC, 50-60 Hz 9-28v DC mains adaptor supplied
Operating Temperature & EMC	0 to +50°C EMC Directive 2004/108/EC
Networking	Ciphertect (CT) interface: 100 Mbps full-duplex ethernet Plaintext (PT) interface: 100 Mbps full-duplex ethernet Latency: Throughput ranges from 62Mbps (max latency 100µs) for 64 byte packet size to 92.5Mbps (max latency 1000µs) for a 1468 byte packet size Remote management: SNMPv3 based local and remote management

‘High strength IP encryption for commercial and industrial applications’

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L3 TRL reserves the right to amend specifications in the light of continuing development.
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