

# IGUANAGreen for Enterprise

## 1GBPS and 10GBPS Commercial Hardware IP Encryption



### Key Features:

- High assurance hardware IP encryption
- High availability design for commercial and industrial applications
- Flexible key management solutions
- High speed, low latency
- Cost-effective and easy to configure

IGUANAGreen for Enterprise is a high speed 2U form-factor encryptor which offers the highest level of encryption. It is ideally suited to bulk encryption and aggregation of voice, data and industrial control system IP traffic.

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 for Enterprise can be deployed as a partner to IGUANAGreen, offering an interoperable, agile gateway solution that can be used to create a secure communications network.

CATAPAN technology 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.

From banks to oil companies, manufacturers to health care, IGUANAGreen protects data to the highest level.

**iguana**  
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	Dimensions: 2UH, 425mm D, 19" rack W Weight: <10kg
Power	<100 watts Dual redundant user serviceable 90-260v ac
Operating Temperature & EMC	Operating range: 0 to +40°C Storage range: -10 to +65°C EMC Directive 2004/108/EC
Networking	Ciphertext (CT) interface: GbE and 10GbE using pluggable SFP & SFP+ modules Plaintext (PT) interface: GbE and 10GbE using pluggable SFP & SFP+ modules Long range (single-mode) and short range (multi-mode) fibre SFPs available Latency: In 10Gbps mode throughput ranges from 5.25Gbps (max latency 6.3µs) for 64 byte packet size to 9.85Gbps (max latency 51.8µs) for a 8948 byte packet size Jumbo Frame Support Remote management: SNMPv3 based local and remote management

**‘High strength IP encryption for commercial and industrial applications’**

