



THALES



Mistral Corporate

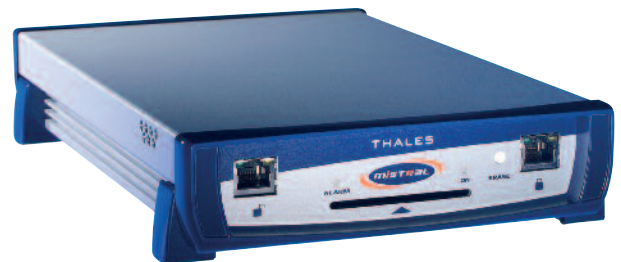
VPN IPSec system for sensitive networks

Product Highlights

- > A range of certified IP encryptors offering a high level of security.
- > High performance ensuring full transparency even for the most sensitive multimedia applications.
- > Centralized secure management, simple and independent of network management.
- > High quality keys generated by a Hardware Security Module.
- > Ease of deployment and use, regardless of the network architecture.

IP networks are flexible and effective, although they are subject to risks related to information systems security (intrusion, compromising, destruction, hacking...).

All IP network features remain available while Mistral provides high-level security services (authentication, confidentiality, integrity...).



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VPN IPSec system for sensitive networks

Key features

Encryption	AES block encryption algorithms. 128 or 256 bits keys (high quality random numbers). Configuration in IPSec tunnel mode (RFC 2401 / RFC 2406). Fast Forward mode (only encrypts the IP or TCP payload).
Security Filtering	Authentication, access control, confidentiality, integrity and replay protection. Source and destination IP addresses filtering. TCP/IP Protocol and port filtering. Security event alarm. Key lifetime and cryptoperiod control.

Performance characteristics

	Mistral Corporate 10	Mistral Corporate 100
Tunnels	- Up to 1,000 simultaneous VPN.	- Up to 4,000 simultaneous VPN.
Speed	- 10 Mbps full duplex.	- 100 Mbps full duplex.
Protocols	Transparent to TCP/IP upper protocols. Compliant to redundancy protocol (HSRP, VRRP) without taking the Mistral offline. VLAN 802.1Q compliant.	

Administration

Management Monitoring	Secure and centralized management by Mistral Management Centre. Monitoring of equipments status and VPN activity. SNMP network monitoring.
Configuration	2 modes: locally via connected console or remotely via the Mistral Management Centre. Local zeroization: sensitive parameters erased from a Mistral product for its transportation or maintenance. Audit and security alarms. Over-the-network secure software upgrade from the Mistral Management Centre. Management processes are adapted to small or large deployments.

Interfaces

Console port	Smart card interface (initialisation process). DB9 (RS-232C)
Plain-Text	1 RJ-45 (10 Base TX, 1000 Base TX)
Cipher-Text	1 RJ-45 (10 Base TX, 1000 Base TX)

Certification

Common Criteria to the EAL3+ level.
Mistral Corporate is certified to protect information classified.
DIFFUSION RESTREINTE France, NATO RESTRICTED and RESTREINT UE.

Environmental

Power	115/230 Volts, 50/60 Hz auto-sensing 26.5 W
Operating Temperature	+5°C to +40°C (41°F to 104°F) 5% to 80% relative humidity
Storage Temperature	-20°C to +70°C (-4°F to 158°F) 5% to 80% relative humidity (non-condensing)
Reliability	87,000 Hours Mean Time Between Failure (MTBF) (GB, 25°C)
Conformity	RoHS CE EN 55022, EN 60950, EN 50082-1

Mechanical

Dimensions	50 mm H x 158 mm W x 260 mm D (1.97"H x 6.22"W x 10.24"D)
Weight	Approximately 980 g (2.161 lbs)

Thales internal reference TRC 7535

Mistral product line:

- Mistral products secure IP networks up to 1 Gbps speed.
- Mistral Nomade enables organizations to establish end-to-end, encrypted VPN tunnels for mobile employees.
- The Mistral Management Centre performs remote and centralized management of Mistral network security products.
- The trusted and autonomous Key Generator Centre generates cryptographic keys.

Thales

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