Sanosay e-Security PINShield 3000

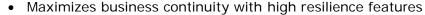### Sanosay e-Security PINShield 3000 The Hardware Security Module for Telecoms

The Sanosay PINshield 3000 is a telecom hardware security module (HSM) that provides the cryptographic protection needed for next generation mobile networks systems and applications. The cryptographic functionality and management features meet or exceed the SIM application and security audit requirements of the major international mobile topology schemes. It is deployed as an external peripheral for mainframes and servers running core NGN operator networks, mobile provisioning and processing software applications for the telecommunications industry.

Sanosay e-Security PINShield 3000 key benefits:

- Provides off-the-shelf support for all major mobile telecommunications platform system applications
- Delivers certified, comprehensive security specially designed for telecoms and mobile secure elements
- Offers a range of scalable, high-performance models
- Maximizes business continuity with high resilience features
- Reduces the cost of compliance with a choice of software options tailored for various legacy telecom solutions

Sanosay e-Security PINShield 3000 - TECHNICAL SPECIFICATION

Performance options
- Performance up to 1000 Triple-DES block translates per second using key blocks
- Multi-threading for optimized performance

Cryptographic algorithms supported
- DES and Triple-DES key lengths 112 bit, 168 bit
- AES key lengths 128 bit, 192 bit, 256 bit
- RSA (up to 2048 bits)
- FIPS 198-1, MD5, SHA-1, SHA-2

Key management standards supported
- RSA Remote Key Transport
- DUKPT
- Master/Session Key Scheme
- Racal Transaction Key Scheme
- AS2805 support S

Security features
- Multiple master keys for cryptographic isolation
- Two-Factor Authentication of security officers
- Tamper-resistance exceeding requirements of FIPS140-2
- Alarm triggers for motion, voltage and temperature
- Device 'hardening'
- Detection of cover removal
- Audit trails

Management facilities
- Graphical User Interface (GUI) option for standard PC hardware over Eth – local and remote modes support
- Key Management Device option to enable keys form from components
- Console interface appropriate for "dumb" terminals
- Utilization statistics and health check diagnostics
- SNMP and error logs
- Clustering

Physical characteristics
- Form Factor: 2U 19" rack mount
- Height: 3.47" (88mm)
- Width: 17.25" (438mm)
- Depth: 26.75" (679mm)
- Weight: 85 lbs (38.6kg)
- Electrical Supply: 100 to 240V AC Universal input, 47 to 63 Hz. Dual power supply standard.
- Power Consumption: 200W
- Operating Temperature: 10°C to 35°C (50°F to 95°F)
- Humidity: 8% to 90% (non-condensing)