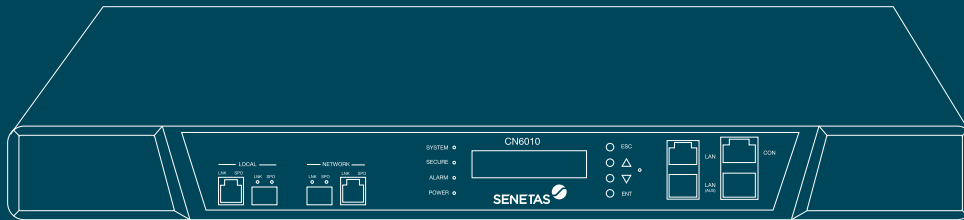


# SENETAS CN6000 SERIES

**MULTI-CERTIFIED | HIGH-ASSURANCE | CRYPTO-AGILE**



## Rack-Mounted, Carrier-Grade 1-10Gbps Encryption

Model	CN6010	CN6100	CN6140	
Network Protocols Supported	ETHERNET	ETHERNET	ETHERNET (SINGLE)	ETHERNET (MULTI)
<b>Protocols and Connectivity</b>				
Network topologies	All	All	All	All
Maximum speed	1Gbps	10Gbps	10Gbps	4 x 10Gbps
Link/rate limiting	✓	✓	✓	✓
Support for jumbo frames	✓	✓	✓	✓
Protocol and application transparent	✓	✓	✓	✓
Encrypts Unicast, Multicast and Broadcast traffic	✓	✓	✓	✓
Automatic network discovery and connection establishment	✓	✓	✓	✓
Network interfaces	RJ45, SFP	XFP	SFP, SFP+	SFP, SFP+
<b>Security</b>				
Tamper resistant and evident enclosure	✓	✓	✓	✓
Anti-probing barriers	✓	✓	✓	✓
Flexible encryption policy engine	✓	✓	✓	✓
Robust AES encryption algorithm	✓	✓	✓	✓
Per packet confidentiality and integrity with AES,GCM encryption	✓	✓	✓	@1Gbps only
Automatic, zero-touch key management	✓	✓	✓	✓
Traffic flow security (TRANSEC)	✓	✓	✓	✓
<b>Encryption and Policy</b>				
AES 128 or 256bit keys	128/256	128/256	128/256	128/256
Policy based on MAC address or VLAN ID	✓	✓	✓	✓
Encryption modes	GCM, CFB, CTR	GCM, CFB, CTR	GCM, CFB, CTR	GCM, CFB, CTR
Self healing key management	✓	✓	✓	✓

Model	CN6010	CN6100	CN6140	
Network Protocols Supported	ETHERNET	ETHERNET	ETHERNET (SINGLE)	ETHERNET (MULTI)
<b>Certifications</b>				
Common Criteria EAL2+ EAL4+	✓	✓	✓	✓
FIPS 140-2 Level 3	✓	✓	✓	✓
NATO	✓	✓	✓	✓
<b>Performance</b>				
Low overhead full duplex line-rate encryption	✓	✓	✓	✓
FPGA based cut-through architecture	✓	✓	✓	✓
Ultra low latency for high performance	✓	✓	✓	✓
Latency (µs per encryptor)	< 10 @ 1Gbps	< 5 @ 10Gbps	< 5 @ 10Gbps	< 5 @ 10Gbps
<b>Management</b>				
Config & management via CM7 and SNMPv3	✓	✓	✓	✓
SNMPv1/2 monitoring (read-only)	✓	✓	✓	✓
Certificate signing	RSA, EC	RSA, EC	RSA, EC	RSA, EC
Support for external (X.509v3) CAs	✓	✓	✓	✓
Remote management using SNMPv3 (in-band and out-of-band)	✓	✓	✓	✓
NTP (time server) support	✓	✓	✓	✓
CRL and OCSP (certificate) server support	✓	✓	✓	✓
<b>Maintainability/Interoperability</b>				
In-field firmware upgrades	✓	✓	✓	✓
Dual swappable AC and/or DC power supply	✓	✓	✓	✓
Fan cooled	✓	✓	✓	✓
User replaceable fans and batteries	✓	✓	✓	✓
Fully interoperable with all CN models	✓	✓	✓	✓
<b>Physical and Installation</b>				
Form factor	1U rack mount	1U rack mount	1U rack mount	1U rack mount
Physical dimensions (mm) W / D / H	435/329/43	435/329/43	35/329/43	35/329/43
Weight	8.5kg	8.5kg	8.5kg	8.5kg
Power source	Mains	Mains	Mains	Mains
Power input rating	100-240 VAC, 50/60 Hz, 0.6 A or 40.5-60 VDC, 1.0 A	100-240V AC, 50/60 Hz, 1.5A or 40.5-60V DC, 2A	100-240 VAC, 50/60 Hz, 1.5 A or 40.5-60 VDC, 2.0 A	100-240 VAC, 50/60 Hz, 1.5 A or 40.5-60 VDC, 2.0 A
Power consumption at highest data rate	18W	50W	22W	49W
<b>Environment, Regulatory and Safety</b>				
RoHS compliant	✓	✓	✓	✓
Maximum operating temperature	0-80% RH at 50°C	0-80% RH at 50°C	0-80% RH at 40°C	0-80% RH at 40°C
Safety standards	EN 60950-1 (CE) UL / IEC 60950-1 AS/NZS 60950.1	EN 60950-1 (CE) UL / IEC 60950-1 AS/NZS 60950.1	N 60950-1 (CE) IEC 60950-1 AS/ NZS 60950.1	N 60950-1 (CE) IEC 60950-1 AS/ NZS 60950.1
UL listed	✓	✓	✓	✓