

Bodet



NETSILON

TIME SERVER



Our **NETSILON TIME SERVERS** deliver accurate, consistent time data to different types of equipment (such as computer systems and clocks) by means of various protocols including Network Time Protocol (NTP) and Precision Time Protocol (PTP).

KEY FEATURES



Internal oscillator

- Maintains precision time-keeping if the reference signal is lost



Synchronisation

- Satellites: GPS, GLONASS, BeiDou, Galileo.
- Time & frequency references: NTP, PTP, IRIG, PPS.



Network

- Time protocols: NTP, PTP.
- Management: HTTP/HTTPS, SSL/SSH, SNMP Agent, IPv4/IPv6, LDAP/Radius.
- Alarm notification: Email, SNMP Trap.



Output signal types

- ASCII
- 1PPS
- IRIG
- T1/E1
- PTP
- NTP

OUR TIME SERVERS

Bodet's range of high precision TIME SERVERS fulfils even the most demanding of requirements in terms of safety and accuracy.

	NETSILON 7 Bodet	NETSILON 9 Bodet	NETSILON 11 Bodet	SECURESYNC Bodet/Spectracom
Internal oscillator	TCXO	OCXO	OCXO	OCXO
Accuracy <i>Average over 24 hours with GPS signal</i>	$1 \cdot 10^{-9}$	$1 \cdot 10^{-11}$	$1 \cdot 10^{-11}$	$2 \cdot 10^{-12}$
Medium Term Stability <i>Without GPS after 2 weeks of GPS lock</i>	$1 \cdot 10^{-7}$ /day	$1 \cdot 10^{-9}$ /day	$1 \cdot 10^{-9}$ /day	$5 \cdot 10^{-10}$ /day
Holdover 24h <i>After a 2 weeks GPS synchronisation at constant temperature</i>	5ms	15 μ s	2.5 μ s	25 μ s

NETSILON
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POINTS

- **Order of priority** for the various synchronisation reference signals (input).
- **Modular design**: wide spectrum of input/output signals by adding option cards.
- **Network security**: enable/disable network, encryption and authentication protocols.

COMPLETE TIME SERVERS



SECURITY

Strengthen the security of your computer network. Limit the risk of intrusion, attacks, espionage and other cyber threats.



RELIABILITY

Invest in robust equipment that is less prone to mechanical failure with its fanless design.



ACCURACY

Distribute ultra-accurate time information, in the nanosecond range, using high-reliability oscillators.



SYNCHRONISATION

Synchronise all IT system equipment. Time stamp and trace events on your network.

DEVELOPED WITH EXPERTS

SPECTRACOM

For its **expertise in the field of time-frequency.**

SYRLINKS

For the **low power consumption and ultra-high stability** of its oscillators.

QULSAR

For its **reliable and recognised PTP solution.**

CONFIGURATION & MONITORING

Our TIME SERVERS can be configured and administrated via a simple and user-friendly web interface.

BENEFITS OF THE WEB INTERFACE

- **Ease of use.**
- **Simplified configuration** via intuitive icons.
- **Performance status:** sources, outputs, alarms, etc.
- **Visual display** of performances.



The Bodet Group

WE GIVE YOU TIME



Time

Time distribution
Display signage
LED display
Audio system



Sport

Timing
Scoreboards
Video display



Campanaire

Bell renovation
Frontage dials
Bell electrification



Software

Time management
Access control
HRIS



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