

# SyncServer® Model Comparison

Features		S80	S600
Time Protocols	NTP	■	■
	NTP activity monitoring and charting		■
	NTP requests/second capacity with hardware time stamping	500	10,000
	Optional NTP requests/second capacity (NTP Reflector)*	1,000	360,000
Time References (Inputs)	PTP output or input (software licenses)		○
	GNSS, 72-channel receiver, GPS constellation support	■	■
	Galileo/GLONASS/BeiDou/QZSS/SBAS constellation support (software license)	■**	○
Standard Network Security Features	NTP peering & PTP		■
	HTTPS/SSL/SSH/Telnet (with disable function)	SSH	■
	SNMP v2/v3 MIB II (with disable function)	■	■
	IPv4/IPv6/DHCP	■	■
	SHA1/256/512 and MD5 for NTP		■
	Access control lists (one per port)		■
Security Protocol License Option	CPU denial of service (DoS) protection through bandwidth limiting		■
	NTP Reflector/Firewall/multi-port with 360,000 NTP requests/second*		○
	DoS detection, notification, and protection*		○
	RADIUS, TACACS+, LDAP, X.509 certificates		○
Interfaces	SecureSyslog with TLS and X.509 Support		○
	Four 100/1000 BASE-T Ethernet ports		■
	Two 10 GbE Ethernet ports		○
	One 1000 BASE-T PoE port	■	
	Web interface (maximum security cipher suite)		■
	Display/Keypad with lockout/LEDs: Sync, Network, Alarm		■
	RS-232 Console port, RS-232 Data/Timing port, Alarm relay		■
Timing Outputs	REST API		■
	1 PPS output		■
	NMEA-0183 output		■
Miscellaneous	NENA PSAP I/O		■
	General server status logs (Syslog 1-8 servers)		■
	Email alerts		■
	Alarms, user-configurable	■	■
	Customizable log-in banners		■
Hardware Options	UTC leap second smearing/slewing for NTP operations		■
	Option module slots		○
	Dual power supplies (AC/AC or DC/DC)		○
Software Options	OCXO oscillator upgrade		○
	Rubidium oscillator upgrade		○
	Security Protocol license		○
	PTP Multi-port/profile grandmaster with PTP client list		○
	PTP input with Automatic Asymmetry Compensation		○
Galileo/GLONASS/BeiDou/QZSS/SBAS constellation support		○	
BlueSky™ GPS Jamming and Spoofing Detection, Protection, Analysis		○	

■ Standard feature ○ Optional feature

\* NTP Reflector function is included in the Security Protocol license option on S6xx, 1,000 RPS is an option on S80

\*\* GPS/GLONASS standard, no BeiDou, Galileo or QZSS option for S80

## SyncServer® S600 NTP Network Time Server

Improve security, accuracy, and reliability of time services on the Enterprise IT network with the SyncServer S600. This robust time synchronization solution delivers:

- Highly secure NTP solution with our security-hardened NTP Reflector technology
- Four GbE LAN ports standard for advanced interoperability and ease-of-use (10 GbE ports optional)
- PTP output with multi-port/profile operations
- High-accuracy NTP hardware time stamping standard
- Easy-to-use modern web interface



S600 Network Time Server



Note: The SyncServer S600 is on the DISA/DoDIN Approved Products List

## SyncServer S80 Ruggedized/Integrated NTP Server

A fully integrated GPS/GLONASS antenna, receiver, NTP server, and PoE interface that easily integrates into existing PoE infrastructure to immediately be the source of accurate, secure, and reliable time stamps for all network-connected devices.

- Ideal for physical security networks isolated from the Internet that need accurate time stamps
- GbE PoE for easy installation and integration with existing physical security networks
- Environmentally hardened for all weather installations



S80 Network Time Server