



Time Server Product Comparison

	ENTERPRISE CLASS			ADVANCED TIMING	
Feature	S100	S200	S300	S250	S350
Time Protocols	NTP Server (v2, v3, v4)	■	■	■	■
	SNTP, Time, Daytime	■	■	■	■
	NTP Peering/Client	■	■	■	■
	NTP Multicast Server/Client	■	■	■	■
	NTP Broadcast Server/Client	■	■	■	■
	NTP performance, requests/second	3200	3200	7000	3200
	IEEE 1588 PTP Grandmaster (optional)			■	■
Time References (inputs)	GPS (12 channel)	■	■	■	■ (1)
	NTP Peering	■	■	■	■
	Dial-up internal modem (ACTS, JJY, ITU-R TF583.4)			■	■
	Low Frequency Radio (WWVB, JJY, DCF77) (optional)			■	■
	10MHz input				■
	1PPS input				■
	IRIG B AM Input				■
	IRIG A/B/E/G/NASA36/XR3/2137 inputs (AM & DCLS)				■
	T1/E1 input (optional)				■
	Time Interval Measurement & Charting (S350 PTP Option)				■
Network Security Protocols	Reference priority, user configurable				■
	HTTP/HTTPS/SSL	■	■	■	■
	Telnet (w/disable fcn.)	■	■	■	■
	SNMP V1, V2c, V3 with Custom MIB II	■	■	■	■
	DHCP (w/disable fcn.)	■	■	■	■
	SSH/SCP (w/disable fcn.)	■	■	■	■
	IPv6 and IPv4/IPv6	■	■	■	■
	MD5 for NTP	■	■	■	■
	NTP v4 Autokey (Server and Client)			■	■
	RADIUS Authenticated login			■	■
User Interface	1000Base-T equipped port (Gigabit)			■	■
	Total number of Ethernet ports	1	3	4	3
	Web Interface	■	■	■	■
	Vacuum fluorescent display/multi-line		■	■	■
	Numeric keypad		■	■	■
	LED's: Sync, Network, Alarm, NTP	■	■	■	■
	USB	■	■	■	■
	RS-232	■	■	■	■
	Alarm relays			■	■
	Keypad lockout			■	■
Osc.	OCXO upgrade	■	■	■	■
	Rubidium upgrade	■	■	■	■
Timing Outputs	Timing accuracy	(2)	(2)	(2)	(2)
	Sysplex output (dedicated port)		■	■	■
	1PPS output				■
	10MHz output				■
	IRIG B AM output				■
	IRIG A/B/E/G/NASA36/XR3/2137 outputs (AM & DCLS)				■
	T1/E1 output (optional)				■
Misc.	General server status logs (Syslog, 1-8 Servers)	■ (3)	■	■	■
	Autocheck for firmware upgrades	■	■	■	■
	Email alerts		■	■	■
	Serve NTP in UTC or GPS Timescale	■	■	■	■
	Setup Wizards		■	■	■

(1) Also available without GPS (2) ± 50 Nanoseconds (3) No Syslog Server Support

TSMatrixNon/PDF/13111