



## 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	7000
	IEEE 1588 PTP Grandmaster (optional)			■		■
Time References (inputs)	GPS (12 channel)	■	■	■	■ (1)	■ (1)
	NTP Peering	■	■	■	■	■
	Dial-up internal modem (ACTS, JY, ITU-R TF583.4)			■		■ (4)
	Low Frequency Radio (WWVB, JY) (optional)			■		■ (4)
	10MHz input				■	■
	1PPS input				■	■
	IRIG B AM input				■	■
	IRIG A/B/E/G/NASA36/XR3/2137 inputs (AM & DCLS)					■
	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.)	■	■	■	■	■
	IPv4 and IPv6	■	■	■	■	■
	MD5 for NTP	■	■	■	■	■
	NTP v4 Autokey (Server and Client)			■		■
	TACACS+ and RADIUS Authenticated login			■		■
	1000Base-T equipped port (Gigabit)			■		■
	Total number of Ethernet ports	1	3	4	3	4
User Interface	Web Interface	■	■	■	■	■
	Vacuum florescent 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)	(2)
	Sysplex output (dedicated port)		■	■	■	■
	1PPS output				■	■
	10MHz output				■	■
	IRIG B AM output				■	■
	IRIG A/B/E/G/NASA36/XR3/2137 outputs (AM & DCLS)					■
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 (4) Not included in S350i model



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