



# Time Server Product Matrix



		ENTERPRISE CLASS			ADVANCED TIMING	
		NTS-150	S200	S300	S250	S350
Time Protocols	NTP Server (v2, v3, v4)	●	●	●	●	●
	NTP Broadcast Server/Client		●	●	●	●
	NTP Peering/Client		●	●	●	●
	NTP Multicast Server/Client		●	●	●	●
	SNTP, Time, Daytime	●	●	●	●	●
	NTP performance, requests/second	200	3200	7000	3200	7000
Time References (inputs)	GPS (12 channel)	●	●	●	● (1)	●
	NTP Peering		●	●	●	●
	Dial-up internal modem (ACTS, JYJ, ITU-R TF583.4)			●		●
	Low Frequency Radio (WWVB, JYJ, 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)					●
	Reference priority, user configurable					●
Network Security Protocols	HTTP/HTTPS/SSL		●	●	●	●
	Telnet (w/disable fcn.)	●	●	●	●	●
	SNMP V1, V2c, V3 with Custom MIB II	v1	●	●	●	●
	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			●		●
	1000Base-T equipped port (Gigabit)			●		●
	Total number of Ethernet ports	1	3	4	3	4
User Interface	Web Interface		●	●	●	●
	Vacuum florescent display/multi-line	Opt. LED	●	●	●	●
	Numeric keypad		●	●	●	●
	LEDs: Sync, Network, Alarm, NTP	[4]	●	●	●	●
	USB		●	●	●	●
	RS-232	●	●	●	●	●
	Alarm relays			●		●
	Keypad lockout			●		●
Osc.	OCXO upgrade		●	●	●	●
	Rubidium upgrade		●	●	●	●
Timing Outputs	Timing accuracy	3	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		●	●	●	●
	Autocheck for firmware upgrades		●	●	●	●
	Email alerts		●	●	●	●
	Serve NTP in UTC or GPS Timescale			●		●

(1) Available without GPS (2) ± 50 Nanoseconds (3) ± 1 Microseconds (4) Sync and Network LEDs only