

APPLICATIONS & FEATURES GUIDE

Comparison of Tekron's Timing Solutions



		Entry Class	Enterprise Class		Automation		Mission Critical	
		NTS100	NTS 02-G	NTS 03-G	TSC100	TTM 01-G	TCG 01-G	TCG 02-G
Ethernet Time Protocols	Features							
	NTP Server (v1, v2, v3, v4)	✓	✓	✓	✓	✓	✓	✓
	SNTP	✓	✓	✓	✓	✓	✓	✓
	NTP Multicast Server	✓	✓	✓	✓	✓	✓	✓
	NTP Broadcast Server	✓	✓	✓	✓	✓	✓	✓
	NTP Performance, Requests/Second*	7500	22500	45000	7500	7500	7500	15000**
Time References	IEEE 1588v2 PTP Grandmaster (Power, Default) Support	✓	✓	✓	✓	✓	✓	✓
	GPS & GLONASS (32 Channel)	✓	✓	✓	✓	✓	✓	✓
	IEEE 1588v2 PTP Slave (Telecoms, Power, Default)	✓	✓	✓	✓	✓	✓	✓
	IRIG-B Input	---	✓	✓	---	---	✓	✓
Reference Priority, User-Configurable	✓	✓	✓	✓	✓	✓	✓	
Network Protocols	SNMP v1, v2c, v3, Custom MIB	✓	✓	✓	✓	✓	✓	✓
	DHCP or Static	✓	✓	✓	✓	✓	✓	✓
	IPv4	✓	✓	✓	✓	✓	✓	✓
	MD5 for NTP	✓	✓	✓	✓	✓	✓	✓
	Secure Remote Access	✓	✓	✓	✓	✓	✓	✓
	VLAN Tagging	✓	✓	✓	✓	✓	✓	✓
	Total Number of Ethernet Ports	1	3	6	1	1	1	2**
User Interface	LEDs: Sync, Network, Alarm	✓	✓	✓	✓	✓	✓	✓
	USB	✓	✓	✓	✓	---	---	---
	Alarm Relays	✓	✓	✓	✓	✓	✓	✓
Osc.	TCXO	✓	✓	✓	✓	✓	✓	✓
	OCXO	---	---	---	---	---	---	✓
	Rubidium	---	---	---	---	---	---	✓
Timing Outputs	Timing Accuracy	100 ns	100 ns	100 ns	100 ns	100 ns	100 ns	100 ns
	Programmable Pulse Output (1PPS, 1 PPM, 1 per 10 ...)	---	✓	✓	✓	✓	✓	✓
	Frequency Output(1.544, 2.048, 10 MHz)	---	---	---	---	---	---	✓
	T1/E1/J1 Output	---	---	---	---	---	---	✓
	AM IRIG-B Output	---	---	---	---	✓	✓	✓
	IRIG-B Fiber Output	---	---	---	---	✓	✓	✓
	Serial Time Strings & NMEA Support	---	---	---	---	✓	✓	✓
	DCLS IRIG-B Output	---	✓	✓	✓	✓	✓	✓
Misc.	Display	---	✓	✓	---	---	✓	✓
	Mounting	DIN Rail	19" 1U	19" 1U	DIN Rail	DIN Rail	19" 1U	19" 1U
	Optional Redundant Power Supply	---	---	✓	---	---	---	✓
	Remote Firmware Upgrade	✓	✓	✓	✓	✓	✓	✓
	Warranty	10 Years	10 Years	10 Years	10 Years	10 Years	10 Years	10 Years

*7500 Requests per Ethernet port
 **TCG 02-G Exp 2 contains two Ethernet ports

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