



Net.Time is a family of PTP/NTP clocks to synchronize industries including Power Utilities (Net.Time Φ), Enterprise (Net.Time Ω) and Telecom (Net.Time T). The clock accepts a wide variety of i/o references to facilitate the migration or integration of heterogeneous networks.

Datasheet

Updated on 3/2/23

Net.Time comparative of the three models

Table 1. Net.Time models

	Net.Time Φ (Phi)	Net.Time Ω (Omega)	Net.Time T (Tau)	
DIFFERENCES	Default rate	100 Mb/s	1 Gb/s	1 Gb/s
	Alarm relay contacts	Optional	Optional	-
	Display	Yes	Optional	-
	Modules	Optional	Optional	-
	IRIG-B	Yes (i/o)	Optional	-
	NTP	Yes (o)	Yes (o)	-
	PRP	Optional	Optional	-
	PTP Power profile	Yes (i/o)	Optional	-
	PTP Telecom profile	-	Optional	Yes (i/o)
SyncE	-	Optional	Yes (i/o)	
COMMON FEATURES	Platform	19", 1 RU, Aluminum case		
	Temperature	-40 ~ +70°C (Passive cooling)		
	Power Supply	Redundant (2 x Sockets): • AC: 100 ~ 240 VAC, 50- 60 Hz (IEC 60320 C13/C14) • DC: 18 ~ 75 VDC or 43 ~ 160 VDC (2-pin 5.1 mm) • AC/DC: 85 - 264 VAC and 100 - 370 VDC (2-pin 5.1 mm)		
	GNSS	72 channels (GPS, GLONASS, BeiDou, Galileo)		
	Oscillators	OCXO, Rubidium		
	Accuracy	GNSS <40 ns, ToD <10 ns		
	Holdover	• Rubidium: 100 ns @ 10h; 500 ns @ 24 hours; 1 μ s @ 48 hours • OCXO: 500 ns @ 2 hours; 1 μ s @ 4 hours; 5 μ s @ 24 hours		
	PTP Default profile	All models		
	Time signals (in/out)	PTP, NTP(out), ToD, n x PPS, IRIG-B, SyncE, MHz, T1, E1		
	Protocol Translator	Any input signal or protocol to any output signal or protocol		
	Configuration Management	Slave / Master / Boundary (up to 512 unicast clients) Web Server, CLI, Syslog, SNMP v2, v3		

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