



N1

GPS CLOCK



FEATURES

- Low Cost NTP/SNTP Time Server
- Free Next Business Day Dispatch*
- Accuracy of <200ns to UTC
- Quick and easy purchase and setup
- 2 year Manufacturer's Warranty
- Excellent Customer Support
- DIN Rail Mountable

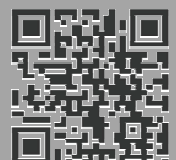
A reliable, accurate, and easy to use GPS timeserver for commercial and light industrial use. It is the perfect solution for industries and applications where precise and reliable timing is required. Affordable, easy to install, configure and connect.

The N1 is exclusively available on the Tekron online store and includes free worldwide, next business day shipping.* The standard box includes the N1 GPS clock, a magnetic mount antenna with 5m cable, 2 Ethernet cables (straight through and crossover), an AC plug pack, configuration software, and quick start guide.

* Additional accessories will incur a \$60 NZ Dollar flat rate shipping fee.

Contact Us

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Physical

- Sync Status
- Antenna/ cable fault
- Satellite acquisition mode

UL94-V0 polycarbonate flame retardant DIN rail mount case with IP20 (Ingress Protection rating).

(W) 55 mm x (D) 60 mm x (H) 90 mm, 0.15 Kg
Rising clamp terminals: Wire size (max): 1.5 mm \varnothing

GPS Receiver

L1, C/A code, 12 Channel Parallel-tracking receiver

Frequency:		1575.42 MHz
Pulse accuracy:		60 ns
Sensitivity:	Acquisition	-146 dBm
Tracking:		-160 dBm
Acquisition:	Hot Start	<8 s
	Warm Start	<35 s
	Cold Start	<38 s

Antenna

Physical

Magnetic mount antenna with attached 5m cable

Dimensions:	13 mm tall 48 x 40 mm
Weight:	105 g

Specifications

Bandwidth:	10 MHz
Impedance:	50 Ω
Amplifier Gain :	typ 27dB
Operating temp:	-40 to +85 °C
IP Code:	IP56

LED Indicators

Three LEDs indicating multiple statuses, including: SYN Status, GPS Status, and Ethernet Cable Connection

Network Time Server

Network Time Server Port

Timing accuracy: <200ns to UTC

This UTP network interface option allows N1 to function as a Stratum 1 NTP/SNTP Time Server

Protocols Supported: ARP, UDP, ICMP, TFTP, DHCP, SNMP and BOOTP

Environmental and Electrical

Power supply:	L=14-36 Vdc**
Power Drain:	4 W max
Operating temperature:	-10 to +65°C
Humidity:	To 95% non-condensing

Isolation

Power to Antenna:	1 kV
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Available Options ***

Timing Optimized Antenna

Antenna Cable

15m, 30m, and 60m cable options

Antenna Mounting Bracket

Lightning protection kit

NextTek, multi-strike weather proofed low throughput

Configuration software

The N1 Windows-based configuration software is supplied on CD and is available to be downloaded from the Tekron website. User adjustable options include:

Timing and Synchronization

Worldwide daylight savings and local time configuration using either rule based or fixed date methods. Options that allow equipment checks prior to full installation and adjustable hold-over times to increase reliability in the case of poor GPS coverage.

Adjustments to compensate for installation parameters such as delay of GPS signal through antenna cable.

**110-240 Vac plug pack included with each N1 clock

***Compatible with the optional timing optimized antenna. Additional accessories will incur a \$60 NZ Dollar flat rate shipping fee.