



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 9/6/21

Net.Time comparative: Φ , Ω , T 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 | |
| | Alarm relay contacts | Optional | Optional | - |
| | Modules | Optional | Optional | - |
| | IRIG-B | Yes | Optional | - |
| | NTP | Yes | Yes | - |
| | PRP | Optional | Optional | - |
| | PTP Power profile | Yes | Optional | - |
| | PTP Telecom profile | - | Optional | Yes |
| SyncE | - | Optional | Yes | |
| COMMON FEATURES | Platform | 19", 1xRU, | | |
| | Temperature | -10 ~ 65°C (Passive cooling) | | |
| | Power Supply | 2 x redundant: (85 ~ 264) Vac, (18 ~ 75) Vdc | | |
| | Display | Graphical Display (virtual web server interface) | | |
| | GNSS | 72 channels (GPS, GLONASS, BeiDou, Galileo) | | |
| | Oscillators | OCXO, Rubidium | | |
| | Accuracy | GNSS <40 ns, ToD <10 ns | | |
| | Holdover | OCXO: 1 h, Rubidium: 24h (Phase \pm 1.0 us) | | |
| | PTP Default profile | All models | | |
| | Clock Input/Outputs | PTP default profile Freq: 1.5 / 2.0 / 5 / 10 MHz, 1.5 / 2.0 Mb/s Phase: ToD, PPS/2S | | |
| Protocol Translator | Any input to all output protocol | | | |
| Configuration Management | Slave / Master / Boundary (up to 256 clients) Web Server, CLI, Syslog | | | |

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