

■ PolyNet IEEE 1588V2 Edge Master Clock



Standalone Precision Time Protocol Edge Master Clock, fully compliant with IEEE1588-2008 Standard. Integrated with GPS receiver module

■ NETWORK PROTOCOL

IEEE1588-2008 Precision Time Protocol
IPv4 Multicast, Unicast, Native Ethernet
SyncE source with ESMC

■ SERVER PRECISION

20ns rms typical (one-step, GPS precision
hardware timestamps)

■ MANAGEMENT

CLI - through serial or telnet connection
ClockView NMS software
User levels and privileges
Local log files and error indications

■ PTP capabilities:

Hardware Timestamp Engine (TSE)
One- and Two-step clock
Best Master Clock algorithm support
PTP clock quality messaging (Priorities, ClockClasses, clockAccuracy, Variance)
Delay request-response and peer delay mechanisms (E2E, P2P)
Support for transparent clocks
PTP Management messages support

■ Ethernet Connection

Full- and half-duplex operation at 10/100 Mbit/s
up to 18.5 Mbit/s sustained UDP stack throughput
Supports 60 Mbit/s data paths

■ PTP parameters

Sync rate: up to 128 Hz
Number of slaves in Multicast mode: up to 200 (depends on the sync and delay request rates)
Number of slaves in Unicast mode: up to 64 (depends on the sync and delay request rates)
Supports one-step and two-step slaves

■ Built-in GPS receiver