

■ PolyNet IEEE 1588V2 Grandmaster Clock



Precision Time Protocol Grandmaster Clock, fully compliant with IEEE1588-2008 Standard and compatible with PW1008HG Primary Reference Clock

■ NETWORK PROTOCOLS

IEEE1588-2002 Precision Time Protocol (V1)
IEEE1588-2008 Precision Time Protocol (V2)
IPv4, IPv6, Native Ethernet

■ Weight dimensions and power

230V AC or 48V
19 Inch 1U cabinet size (455x360x44.5mm)
4.9 Kg

■ SERVER PRECISION

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

■ MANAGEMENT

CLI – through serial, Web GUI, SSH or telnet connection
ClockView NMS software
User levels and privileges
Local log files and error indications
Remote firmware upgrade

■ PTP capabilities:

Unicast, Multicast and Hybrid mode
Supported profiles: G.8265.1 and G.8275.1
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 10/100/1000 Mbit/s
Connector type RJ45 or optional SFP slot

■ PTP parameters

Sync rate: up to 128 Hz
Number of slaves: up to 512 at full rate
Supports one-step and two-step slaves

■ Clock input

1PPS - SMA connector
NMEA - configurable Baud rate DB9 serial connector
Fully compatible with PW1008HG Primary Reference Clock