



**ptf**

## **3223A NETTYME™ NETWORK TIME SERVER**

**Stand-Alone Time Server  
NTP Support  
Ethernet 10/100 Base T Interface  
12 Channel GPS Receiver  
Independent Time Acquisition from GPS  
Ideal for Electronic Commerce  
GPS Antenna and Cable Included  
1PPS and IRIG-B outputs standard**



The **ptf 3223A** NetTyme™ provides *Stratum 1* accuracy for your enterprise network installation. Time acquired via the GPS antenna is distributed using the TCP/IP NTP to network workstations. Synchronization over the network takes place in 1 to 5 milliseconds.

By applying today's advanced GPS technology to address the growing need for providing accurate network time, the **ptf 3223A** NetTyme delivers precise time via an Ethernet interface using the network time protocol standard common in most computer systems today. (*TCP* and *UDP* are also included)

The **ptf 3223A** NetTyme uses at its heart a highly advanced, 12 channel GPS timing receiver, to deliver milli second accuracy to the network.

In addition to NTP, the **ptf 3223** NetTyme supports a number of network management tools to keep your network in sync and working for you.

Other standard features include high precision 1 PPS and IRIG-B outputs (via BNC) for time synchronization and time display applications.

Specifications subject to change without notice



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# 3223A NETTYME™ NETWORK TIME SERVER

## SPECIFICATIONS

### ELECTRICAL

#### Input/Output Connections

Network 10/100 Base T Ethernet

Serial Port A

RS-232/DB9

DTE,  
Config/Control

IRIG-B

1 PPS

Front Panel (status indicators) LED

#### Timing Accuracy

Network 1-10 milliseconds, typical

GPS Receiver <0.5 microseconds relative to UTC

Internal Clock <0.5 microseconds  
(relative to UTC, GPS tracking)

OCXO Option Hold <10ms for 30 days

GPS Receiver Twelve channel

*Refer to GlobalTyme™ datasheet if sync of local peripherals with time code, 1 PPS, or 10 MHZ signals is required*

### ENVIRONMENTAL & PHYSICAL

#### Power Requirements

AC Input (±15%)

90 - 264 VAC, <10W

DC Input (optional)

#### Dimensions

(HxWxD)

1U x 19" x 12"

#### Operating Temp

0° to 50° C

#### Relative Humidity

(non-condensing)

0 to 95%

#### Supported Network Features

TCP/IP, NTPv2 (RFC 1119), NTPv3 (RFC 1305), SNTP (RFC 1361), Daytime Protocol (RFC 867), Time Protocol (RFC 868), SNMPv1 w/Custom MIB II Extension, Telnet, HTTP/HTML Status Page

#### Configuration Options

##### Option #

##### Description

HSOP

High Security Option

PPSI

External 1 PPS

TIME

Time Code Output (x4)

PULS

Pulse Distribution (x4)

RUBS

Rubidium

DISP

Front Panel Display and Keypad

DCPS

DC Power Supply

SNMP

SNMP

HTTP

http

WINA

Window Mount Antenna

LKIT

Lightning Protection Kit

RSLD

Mounted Rackslides

*Consult Factory for additional Antenna and Cable options.*



*ptf 3223A NetTyme rear view*

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