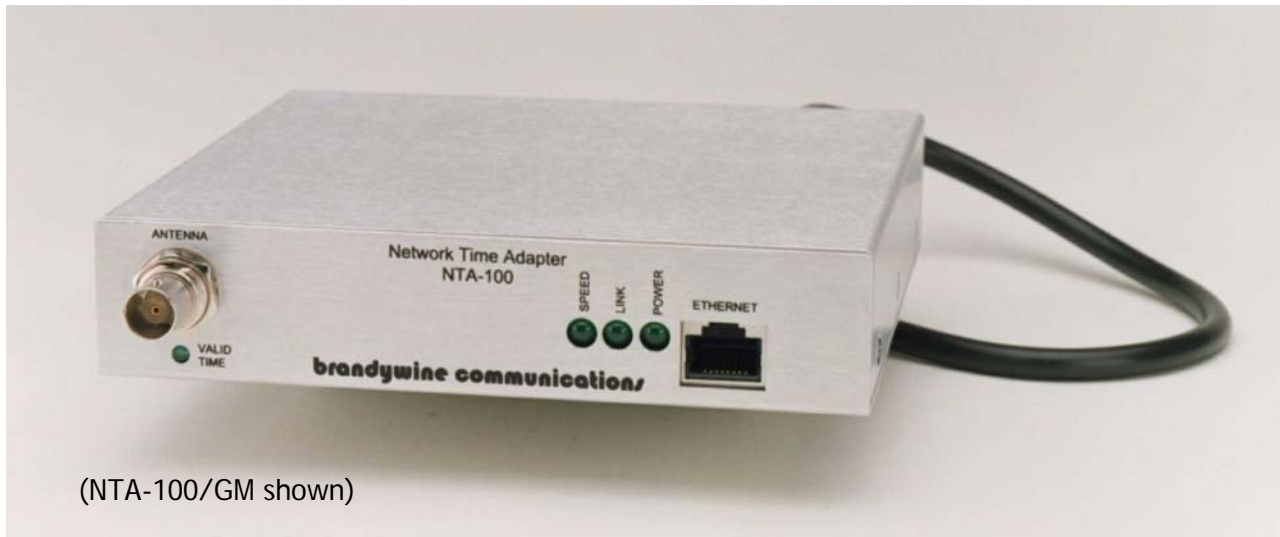# brandywine communications

Network Time Adapter NTA-100

(NTA-100/GM shown)

- Uses NTP to synchronize displays and other equipment
- Programmable serial message compatible with almost any time display
- Browser based user interface for ease of setup
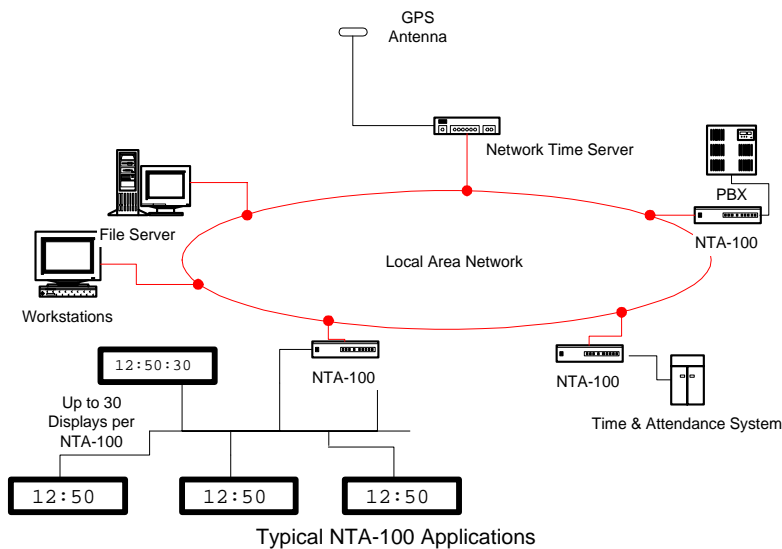- Compact size and low cost

Brandywine Communications Network Time Adapter provides a convenient and flexible means of accurately time synchronizing computers, time displays, PBX's and a wide variety of other equipment.

The NTA-100 is a small, wall mounted network appliance that connects to a central Network Time Server through a local area network (LAN). Using the industry-standard Network Time Protocol (NTP) the NTA-100 accurately synchronizes its internal clock then outputs a time message once per second through its built-in serial ports. Both RS-232 and RS-485 ports are provided. The time message format is user programmable and can be used to synchronize almost any device that accepts an "RS" type serial time synchronization message.

Management of the NTA-100 internals is by means of a built in web-browser interface. This password-protected web page allows the user to set up the text string required for the equipment to be synchronized. Time Zone offsets and daylight savings set up are also accessed through the same web page.

The NTA-100 is also available with a built-in GPS receiver allowing the NTA-100 to become a Network Time Server. For a more detailed description please request the NTA-100/GM data sheet.

Typical NTA-100 Applications

NTA-100 Specifications

Interfaces	
Network Interface	10/100 BaseT Ethernet
Connector	RJ45
IP Address Set-up	Manual or Automatic via DCHP
Serial Interface	
Connector	RJ11
Electrical	RS-232 and RS-485
Baud Rate	300 baud to 38.4k baud
Message format	User programmable
Update rate	Once per second
Protocols	
Network Time Protocol	RFC1305 Client
NTP update rate	User programmable 1/sec to 1/day
Time Zone	User programmable
Daylight Savings Time	User programmable, default is USA
Physical	
Size, weight	5.5" X 5.5" X 1.25", 3 lb.
Mounting	Wall or Desktop
Power	90-264 Vac<5W
MTBF Per MIL-HBK-217F, Notice 2	70,000 Hours

The NTA-100 is compatible with any NTP v3 Network Time Server including the following lineup of Brandywine Communications Network Time Server products:

Model PTS – Redundant Network Time Server with GPS and rubidium oscillator
Model M210 – Modular Master Clock, may be configured for a variety of applications.
Model NTP8 – GPS or IRIG B input Network Time Server
Model NTA-100/GM – Low Cost Network Time Adapter fitted with GPS receiver

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