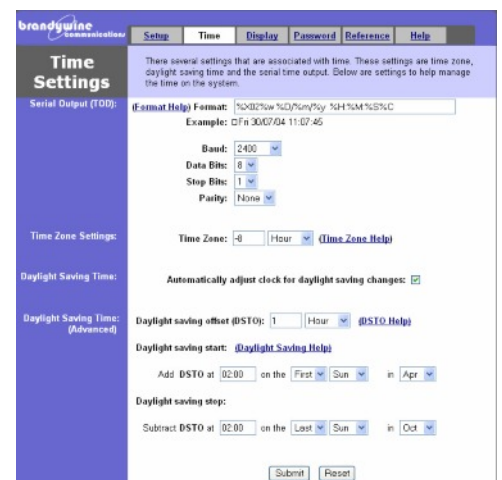
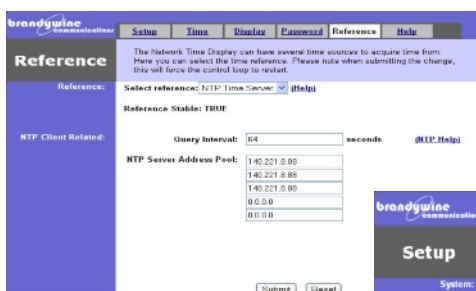


COMPACT NTP TIME SERVERS WITH SERIAL TIME CODE OUTPUT



Compact NTP Time Server Units with GPS / IRIG B Inputs and Programmable Serial Time Code Outputs



AS9100D Certificate Number : C0210021-AS3



COMPACT NTP TIME SERVERS WITH SERIAL TIME CODE OUTPUT

Overview

An economic and simple to use range of NTP time servers deriving a time reference from either GPS or IRIG-B inputs with a built-in real time clock backup which maintains time for temporary signal loss situations.

All units are mains powered and equipped with a clear 6 digit LED time of day display, an RJ45 Ethernet port for NTP time serving and web browser setup along with an RS-232/RS-485 serial port facilitating fully programmable time code format transmission to display clocks and other devices. Synchronised time indication is denoted by the time display colons while rear panel status LEDs denote network connectivity status.

Each unit can be setup to function as a primary NTP server or to behave as an NTP client from which serial time code information is relayed. Management of the unit setup parameters is via 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 while also facilitating time zone offset and daylight savings setups.

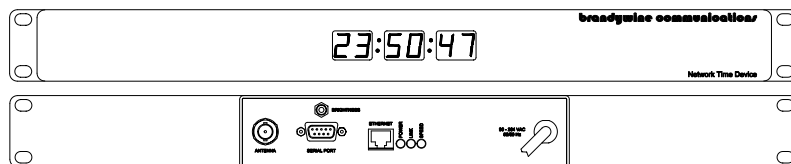
The NTV-100RG and IDC-100 units both have a compact 1U housing (as shown top right), while the NTV-100DG is housed in compact desktop housing.

The NTV-100RG & NTV-100DG both have built-in GPS receivers for time referencing while the IDC-100 variant instead takes an IRIG-B time code data input via the rear panel BNC connector.

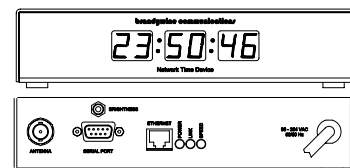
Typical Applications

Compact NTP Network servers are commonly specified where reliable NTP is required as the basis for driving system installation time displays and time stamping devices, such as automation lines, public stadiums and public time displays.

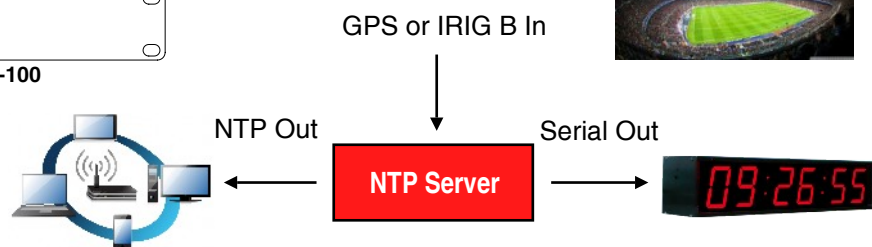
The units are of robust design and build quality to ISO9100D standards delivering exceptional performance and trouble free product field longevity.



Above : NTV-100RG & IDC-100



Left : NTV-100DG



Compact NTP Servers	NTV-100RG	NTV-100DG	IDC-100
Characteristics			
Time Source Reference via BNC	GPS Supplied with Antenna & 100ft cable	GPS Supplied with Antenna & 100ft cable	IRIG B 124, IRIG B 123 with 1344 extensions (to use leap year/second attributes)
Time Source Signal	Active GPS - 5V Feed from unit	Active GPS - 5V Feed from unit	IRIG : 1V - 7V pk-pk into 2K
Network Interface	10/100 BaseT Ethernet via RJ45		
Network IP Address Setup	: Manual or Automatic via DHCP		
NTP Network Protocol	NTPv3 [RFC1305]		
NTP Update Rate	User programmable from 1 second to 1 day : SNMP V.1 SYSLOG		
Time Zone Setup	User Programmable		
Daylight Savings Time	User Programmable		
Serial Interface	RS-232 & RS-485 via DB-9 D-Type socket		
Serial Interface Baud Rate	Programmable 300 Baud to 38.4K Baud		
Serial Message Format	User Programmable		
Serial Message Update Rate	Once per second		
Power Supply	90 - 264 VAC 50/60Hz		
Mounting	Standard Equipment Rack - 1U	Desktop mounted	Standard Equipment Rack - 1U
Size & Weight	19" x 1.73" x 4.65" - 5 lbs	7.94" x 1.85" x 4.65" - 3lbs	19" x 1.73" x 4.65" - 5 lbs
Environmental	Operating : 0°C - 50°C - Storage : -40°C - 85°C - Humidity : 0 - 95% Non-condensing		

Satisfied customers include..

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