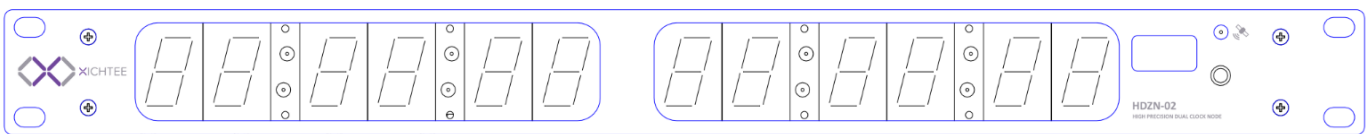


DATASHEET

HDZN-02

HIGH PRECISION DUAL CLOCK NODE
rev. 1.1

HDZN-02 HIGH PRECISION DUAL CLOCK NODE



Overview

The HDZN-02 Dual Clock is a versatile, PoE-powered device designed for professional environments. Equipped with a built-in GNSS receiver and dual displays, it supports precise time synchronization with two operational modes and complete configurability via Web GUI or front display.

Key Features

- Power: IEEE802.3at Class 4 PoE.
- GNSS Receiver: U-Blox GNSS for accurate standalone operation.
- Operational Modes:
 - Standalone GNSS Clock: Accurate to the second.
 - NTP Client: Syncs time from an external NTP server.
- Displays: Two independent displays with adjustable time offsets (-12 to +14 hours from UTC).
- Control:
 - Web GUI (default IP: 192.168.1.20).
 - Front display interface.
- Additional Modes:
 - Dual Timer: Count-up, countdown (to a set time or a predefined duration).
- Connectivity:
 - GNSS Antenna: Active or Passive (BNC).
 - Networking: Static or DHCP configuration.



Advanced Features

- Control Protocols:
 - REST API (future).

Specifications

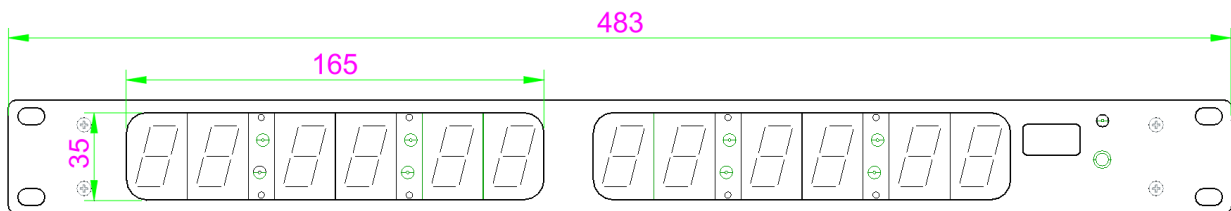
Feature	Details
Power Input	IEEE802.3at Class 4 (PoE)
GNSS Antenna	Active/Passive (BNC)
Displays	Dual, offset configurable
Default IP	192.168.1.20
Operational Modes	Standalone GNSS, NTP Client

Hardware

- Power: PoE (IEEE802.3at Class 4).
- GNSS Antenna: Active. Connectivity via BNC connector.

Mechanical

- Dimensions 1RU, 483mm, 48mm, 80mm



- all dimensions in mm

Support

For additional assistance, contact the HDZN-02 support team at office@xichtee.com.