

NATIONAL TIME is proud to announce the new TimeCast™ line of wireless clocks. These clocks can receive time from either a local radio frequency (RF) transmitter or existing building Wi-Fi. The time source can be selected by the user. Installing a TimeCast™ clock system is made even easier with the interactive display on the back of each TimeCast™ clock. Explore the advantages of using a TimeCast™ clock system in your facility today:

Multiple Communication Modes -Each TimeCast™ clock can be configured to receive time synchronization from an RF base station or building Wi-Fi.

Easily Build a Clock System -Start by using a few clocks in Wi-Fi mode and then later switch them to RF mode once there are enough clocks to form a mesh.

Fast, Easy Setup -National's **Exclusive** multi-line display for user-friendly, step-by-step help and diagnosis.

Complete Product Line -TimeCast™ is available in attractive analog and digital clocks, both of which have double face options.

Free Cloud Monitoring -National Time's free cloud service monitors each clock's vitals and check-in history. Get notified of low batteries or synchronization failure **before** it becomes a problem.

Robust Communication -Multiple path Flooding TimeCast™ technique is simple and reliable for trouble-free data transmission.

License Free -Using low energy and ISM frequency bands does not require a site license application or fee.

Support -Proudly designed, manufactured, and supported in Michigan USA.



How It Works

In a Radio Frequency system, the clocks use National Time's Multiple path Flooding TimeCast™ technique for simple and reliable data transmission. This wireless technology utilizes license-free frequency bands to communicate synchronized time to all of the clocks in your building. A cost-effective base station is the heart of the system keeping accurate time using a local or internet SNTP time server. Time and other data is broadcast from the base station to nearby clocks using a low wattage transmitter. Each clock in the system is capable of relaying this data to more distant clocks. A flood of time information synchronizes the time throughout your facility in fractions of a second. Efficient two-way data transmission reports clock system health information back to the base station.

In Wi-Fi mode, each TimeCast™ clock connects to your building's existing Wi-Fi network and receives accurate time information from an SNTP time server. Wi-Fi settings can be easily configured using a mobile device. A base station is not required for Wi-Fi operation as each clock operates individually.

During both Radio Frequency and Wi-Fi operation, clock information such as verification of time synchronization, battery level, and signal strength is available to the user via National Time's free cloud service. Reports of clock system health can be accessed through the internet or by scheduled e-mail messages.

Installation of your clock system is simplified with National's exclusive interactive display on the back of each TimeCast™ clock. The display provides a user friendly interface to switch between time synchronization modes as well as providing status information such as signal strength, battery strength, number of other clocks in range (Radio Frequency mode), time and date received, check in times, and firmware information. Help screens aid in fixing problems eliminating tech support and service calls. In the absence of a base station or Wi-Fi network, the time and date can be entered by the user or acquire time from a nearby clock. This allows installation of the clocks if the network infrastructure or the base station is not yet installed.

Learn More

For part numbers, accessories, and specifications refer to Bulletin C-617 TimeCast Product Line.

Other helpful documents:

C-620 TimeCast Setup Guide

C-622 TimeCast Analog Mounting Instructions

C-618 TimeCast Digital Mounting Instructions