



1. Product Name

- Inova OnTime® IP PoE Digital Clock Systems
 - 4-digit
 - 6-digit

2. Manufacturer

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3. Product Description

Basic Use

Inova Solutions' OnTime IP PoE clocks provide accurate, highly visible, synchronized time throughout facilities or campus environments in order to promote smooth, efficient workflows. Schools and universities depend on accurate timekeeping to efficiently transition students from one class to the next. In healthcare facilities, synchronized time is critical to daily operations, whether checking on patients or delivering medications. Synchronized time in manufacturing environments promotes schedule adherence and efficiency of manufacturing processes.

Inova OnTime clocks are built on Power over Ethernet (PoE) technology, getting time, data and energy-efficient power directly from the network—making them easy to install and simple to maintain. PoE clocks do not require a master clock, electrical outlets or batteries. Inova OnTime clocks plug directly into standard Ethernet jacks and allow for a centralized UPS (Uninterrupted Power Supply) backup to keep them up and running in the event of a power failure.

Features

- Power supplied over standard Cat-5 cabling using the IEEE 802.3af and IEEE802.3at (POE+) Power over Ethernet standard
- Low power consumption—8 watts (4 digit), 9.5 watts (6 digit)
- No master clock or serial connection required



- Visible from over 150 feet (46 m)
- 4-digit models include 4 inch (10.2 cm) seven-segment, red or green LED numerals
- 6-digit models include 4 inch (10.2 cm) hour and minute numerals; and 3 inch (7.6 cm) second numerals; numerals are seven-segment, red or green LED
- 12- or 24-hour time display options
- Accuracy within 200 milliseconds
- Time set automatically by SNTP (Simple Network Time Protocol)
- Automatic adjustment for Daylight Saving Time
- Compatible with DHCP or static IP addressable 10/100BaseT Ethernet
- Notification when clocks disconnected (management system required)
- Easy to upload firmware upgrades
- Service light status indicator
- ANSI/UL 60950-1, CAN/C22.2, ETL Listed, CE Marked, RoHS compliant
- Optional cloud-based management system available

Mounting Options

Surface Mount




OnTime clocks have two keyhole slots on the rear of the clock for surface mounting. The clock back includes a recess for mounting over an Ethernet receptacle.

Table 1A—Inova PoE Four-Digit Clock Systems

Model Number	Orientation/Mounting	Cabinet Materials	Cabinet Color	LED Color
ONT4BK-P	Single-sided	Plastic	Black	Red
ONT4PT-P	Single-sided	Plastic	Putty	Red
ONT4OW-P	Single-sided	Plastic	Off-white	Red
ONT4BK	Single-sided	Aluminum	Black	Red
ONT4SS	Single-sided	Stainless steel	Stainless steel	Red
ONT4FM	Single-sided, flush mount	Plastic case, aluminum face plate	Black	Red
ONT4BKFMS	Single-sided, flush mount	Plastic case, stainless steel face plate	Black, stainless	Red
ONT4BK-P-G	Single-sided	Plastic	Black	Green
ONT4PT-P-G	Single-sided	Plastic	Putty	Green
ONT4OW-P-G	Single-sided	Plastic	Off-white	Green
ONT4BK-G	Single-sided	Aluminum	Black	Green
ONT4SS-G	Single-sided	Stainless steel	Stainless steel	Green
ONT4FM-G	Single-sided, flush mount	Plastic case, aluminum face plate	Black	Green
ONT4BKFMS-G	Single-sided, flush mount	Plastic case, stainless steel face plate	Black, stainless	Green
ONT4DSBK-P	Double-sided	Plastic	Black	Red
ONT4DSPT-P	Double-sided	Plastic	Putty	Red
ONT4DSOW-P	Double-sided	Plastic	Off-white	Red
ONT4DSBK	Double-sided	Aluminum	Black	Red
ONT4DSSS	Double-sided	Stainless steel	Stainless steel	Red
ONT4DSBK-P-G	Double-sided	Plastic	Black	Green
ONT4DSPT-P-G	Double-sided	Plastic	Putty	Green
ONT4DSOW-P-G	Double-sided	Plastic	Off-white	Green
ONT4DSBK-G	Double-sided	Aluminum	Black	Green
ONT4DSSS-G	Double-sided	Stainless steel	Stainless steel	Green

Table 1B—Inova PoE Six-Digit Clock Systems

ONT6BK	Single-sided	Aluminum	Black	Red
ONT6SS	Single-sided	Stainless steel	Stainless steel	Red
ONT6FM	Single-sided, flush mount	Aluminum	Black	Red
ONT6BKFMS	Single-sided, flush mount	Aluminum case, stainless steel face plate	Black, stainless	Red
ONT6BK-G	Single-sided	Aluminum	Black	Green
ONT6SS-G	Single-sided	Stainless steel	Stainless steel	Green
ONT6FM-G	Single-sided, flush mount	Aluminum	Black	Green
ONT6BKFMS-G	Single-sided, flush mount	Aluminum case, stainless steel face plate	Black, stainless	Green
ONT6DSBK	Double-sided	Aluminum	Black	Red
ONT6DSSS	Double-sided	Stainless steel	Stainless steel	Red
ONT6DSBK-G	Double-sided	Aluminum	Black	Green
ONT6DSSS-G	Double-sided	Stainless steel	Stainless steel	Green

Cabinet Colors	Black	Off-white	Putty
			

Pendant/Cantilever

Inova optional mounting kit allows OnTime clocks to be hung from the ceiling or wall for greater visibility in areas such as hallways.

Additionally, two clocks can be mounted back-to-back to provide increased visibility in both directions.

Flush Mount

Separate flush mount model allows clocks to be inserted into a wall, creating a more finished, flushed look.

Inova offers both a 4-digit and 6-digit flush mount model with trim options of black metal or stainless steel.

Accessories

See Table 2.

Benefits

- Accuracy (within 200 milliseconds)
- Continual synchronization
- Easy installation, maintenance and management
- Energy efficiency
- Reliability

Table 2—Accessories

Model	Description
ONT4KIT	Ethernet mounting kit, 4-digit
ONT6KIT	Ethernet mounting kit, 6-digit
ONT4NEMA	NEMA enclosure for 4-digit clock
ONT6NEMA	NEMA enclosure for 6-digit clock
722442	Power injector, ethernet, Phihong

- Two-year warranty
- Inova OnTime IP POE clocks are assembled in the USA

4. Technical Data

Applicable Standards

American National Safety Institute (ANSI)/Underwriters Laboratories (UL)

- ANSI/UL 60950-1, CAN/C22.2—Information Technology Equipment—Safety Standard

Institute of Electrical and Electronics Engineers (IEEE)

- IEEE 802. 3af-2003—Standard for Information Technology—Telecommunications and Information Exchange Between Systems—Local and Metropolitan Area Networks—Specific Requirements
- IEEE 802.3at (PoE+)–2009—updated Information Technology Standard

Other Certifications/Standards

- RoHS compliant, ETL listed and CE marked

5. Installation

Refer to *Inova Solutions OnTime Clock Installation and User Guide* included with shipment; also available at: <http://ontime.inovasolutions.com>.

6. Availability and Cost

Availability

Inova Solutions maintains inventory of several models for product availability. Contact sales@inovasolutions.com.

Table 3—Technical Specifications of Inova Solutions PoE Clocks

Feature	ONT4 Digital Clocks	ONT6 Digital Clocks
Model	4-digit, red or green 7-segment LEDs	6-digit, red or green 7-segment LEDs
Dimensions	Length: 12" (30 cm)	Length: 17½" (44 cm)
	Height: 6" (15 cm)	Height: 6" (15 cm)
	Depth: 2.28" (5.8 cm)	Depth: 2.28" (5.8 cm)
Cabinets	Materials: plastic, aluminum or stainless steel	Materials: aluminum or stainless steel
	Plastic colors: black, putty or off-white	Colors: black, brushed stainless steel
Weights	Aluminum cabinet: 2.2 lb. (1 kg)	Painted cabinet: 3¼ lb. (1.47 kg)
	Plastic cabinet: 1.6 lb. (0.7 kg)	
	Stainless cabinet: 4.1 lb. (1.85 kg)	Stainless cabinet: 5.6 lb. (2.3 kg)
Viewing distance	150+ feet (50+ meters)	150+ feet (50+ meters)
Accuracy	± approximately 200 milliseconds	± approximately 200 milliseconds
Power consumption	8 watts	9.5 watts
Operating temperature	32–104° F (0–40° C)	32–104° F (0–40° C)
Note: specifications and design are subject to change without notice.		

Inova Solutions, Inc.



Cost

Contact Inova Solutions at sales@inovasolutions.com or an approved reseller at [this link](#) for pricing.

7. Warranty

A two-year limited warranty is offered by the manufacturer.

8. Maintenance

Inova OnTime clocks are powered directly from the network. Therefore, maintenance consists of periodic physical and visual checks on clocks and verification of the clocks' network configuration.

9. Technical Services

Contact the manufacturer for installation and user guides or technical support. Online support is available [here](#).

10. Filing Systems

- ManuSpec
- Additional information available by request from the manufacturer