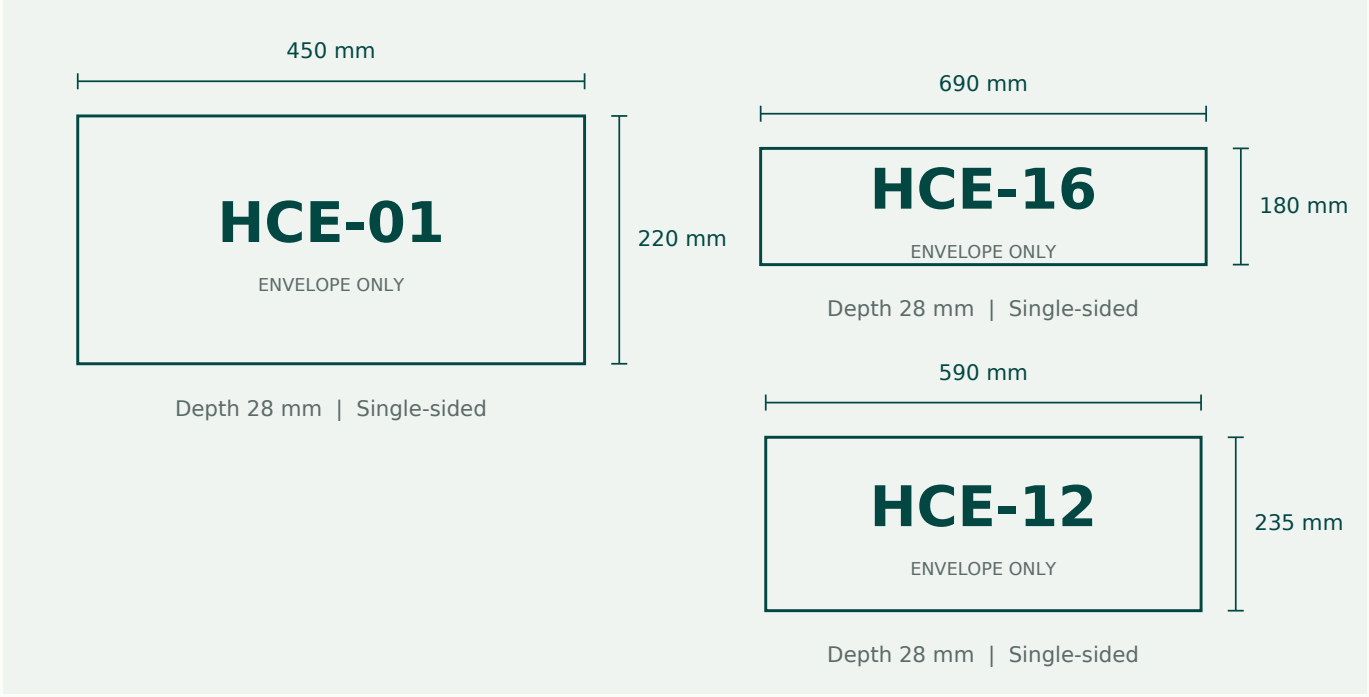
SYNC CLOCKS
by HC Electronics

PRODUCT CATALOGUE / EN 1.1

HCE Digital Synchronized Clocks (LED Clocks)

Seven models for facility time displays

Compare display formats, dimensions and synchronization options for your next clock project.



Dimension outlines above. Seven model-specific concept renderings appear on pages 3-9; they are not product photographs or installation drawings.

NTP / WI-FI / RS485 / GPS / 4G

Prepared for distributors, system integrators and facility buyers. Confirm the supplied configuration and project requirements before ordering.

Choose your HCE model

Start with the information you need to display, then match the listed connection and power input to your site.

Model	Listed sync	Display	Faces	Page
HCE-01	NTP	Time, temperature, calendar	1	3
HCE-01S	Wi-Fi	Time, temperature, calendar	1	4
HCE-01R	RS485	Time, temperature, calendar	1	5
HCE-10	NTP	Time, temperature, calendar	2	6
HCE-12	GPS	Hours and minutes	1	7
HCE-07	4G / GPS*	Time, temperature, humidity, calendar	1	8
HCE-16	4G	Hours, minutes and seconds	1	9

* HCE-07 is listed as 4G / GPS. Confirm the supplied version and whether these are alternatives or combined functions.

Select by the job

- Compact time and calendar display: HCE-01, HCE-01S or HCE-01R. Their connection type and enclosure depth differ.
- Visibility from two directions: HCE-10 is the only double-sided model in this catalogue.
- Time-only display: HCE-12 shows hours and minutes; HCE-16 adds seconds.
- Humidity information on the display: HCE-07. A humidity accuracy value is not supplied.

Digit size alone is not a guaranteed viewing distance. Check the actual installation height, ambient light and sight lines.

HCE-01 time and calendar

A single-sided time and calendar clock with NTP listed as the synchronization method. Specify the complete model code when requesting a quote.



LISTED CONNECTION

NTP

DIGIT SIZE

3 in + 0.5 in

DISPLAY FACES

Single-sided

AI-generated concept rendering. Illustrative layout and enclosure; not a photograph or scale drawing.

Specification	Listed value
Overall dimensions	450 × 220 × 28 mm
Display content	Hours, minutes, seconds, temperature, calendar, weekday
Weight and enclosure	1.5 kg; plastic housing; tempered glass
Power input	DC 5 V; listed power 1 W*
Operation and installation	Remote control; pendant or cantilever mounting

Selection notes

A compact time and calendar display with 3 in + 0.5 in digits, red / white LEDs and adjustable brightness.

Confirm before ordering: network interface and NTP configuration. HCE-01S and HCE-01R use different connections and have different enclosure depths.

View HCE-01 online >

Shared specifications and * notes: page 10

HCE-01S time and calendar

A single-sided time and calendar clock with Wi-Fi listed as the synchronization method. This is the 23 mm-deep HCE 01 family version.



LISTED CONNECTION

Wi-Fi

DIGIT SIZE

3 in + 0.5 in

DISPLAY FACES

Single-sided

AI-generated concept rendering. Illustrative layout and enclosure; not a photograph or scale drawing.

Specification	Listed value
Overall dimensions	450 × 220 × 23 mm
Display content	Hours, minutes, seconds, temperature, calendar, weekday
Weight and enclosure	1.5 kg; plastic housing; tempered glass
Power input	DC 5 V; listed power 1 W*
Operation and installation	Remote control; pendant or cantilever mounting

Selection notes

A compact time and calendar display with 3 in + 0.5 in digits, red / white LEDs and adjustable brightness.

Confirm before ordering: Wi-Fi band, authentication and time source. Specify the complete model code HCE-01S rather than HCE-01 when requesting a quote.

View HCE-01S online >

Shared specifications and * notes: page 10

HCE-01R time and calendar

A single-sided time and calendar clock with RS485 listed as the synchronization method. This is the 26 mm-deep HCE 01 family version.



LISTED CONNECTION

RS485

DIGIT SIZE

3 in + 0.5 in

DISPLAY FACES

Single-sided

AI-generated concept rendering. Illustrative layout and enclosure; not a photograph or scale drawing.

Specification	Listed value
Overall dimensions	450 × 220 × 26 mm
Display content	Hours, minutes, seconds, temperature, calendar, weekday
Weight and enclosure	1.5 kg; plastic housing; tempered glass
Power input	DC 5 V; listed power 1 W*
Operation and installation	Remote control; pendant or cantilever mounting

Selection notes

A compact time and calendar display with 3 in + 0.5 in digits, red / white LEDs and adjustable brightness.

Confirm before ordering: the RS485 protocol and compatible controller. RS485 alone does not establish protocol compatibility. Specify the complete model code HCE-01R.

View HCE-01R online >

Shared specifications and * notes: page 10

HCE-10 double sided

Time, calendar and temperature information on two display faces, with NTP listed as the synchronization method.



LISTED CONNECTION

NTP

DIGIT SIZE

4 in + 1 in

DISPLAY FACES

Double-sided

AI-generated views of the two faces of one clock. Illustrative layout; not a photograph or scale drawing.

Specification	Listed value
Overall dimensions	690 × 290 × 28 mm
Display content	Hours, minutes, seconds, temperature, calendar, weekday
Weight and enclosure	1.9 kg; aluminum-alloy frame; tempered glass
Power input	DC 5 V; listed power 1 W*
Installation	Pendant or cantilever mounting

Selection notes

Consider this model for locations where the display needs to be read from two directions.

Confirm before ordering: mounting hardware, bracket projection, complete double-sided assembly depth and weight, network interface and NTP settings. The quoted 28 mm depth is a listed value, not a verified installation clearance.

View HCE-10 online >

Shared specifications and * notes: page 10

HCE-12 hours and minutes

A single-sided, time-only display with 5-inch digits and GPS listed as the synchronization method.



LISTED CONNECTION

GPS

DIGIT SIZE

5 in

DISPLAY FACES

Single-sided

AI-generated concept rendering. Illustrative layout and enclosure; not a photograph or scale drawing.

Specification	Listed value
Overall dimensions	590 × 235 × 28 mm
Display content	Hours and minutes
Weight and enclosure	1.9 kg; aluminum-alloy frame; tempered glass
Power input	DC 10 V; listed power 1 W*
Operation and installation	Remote control; pendant or cantilever mounting

Selection notes

Consider this model when larger hours-and-minutes digits are the priority. Seconds, calendar and temperature display are not listed.

Confirm before ordering: the DC 10 V supply, connector and adapter; GPS antenna arrangement, cable routing and reception conditions. No satellite constellation beyond GPS is specified.

View HCE-12 online >

Shared specifications and * notes: page 10

HCE-07 environment display

A single-sided display that combines time and calendar information with temperature and humidity.



LISTED CONNECTION

4G / GPS

DIGIT SIZE

1.8 in

DISPLAY FACES

Single-sided

AI-generated concept rendering. Illustrative layout and enclosure; not a photograph or scale drawing.

Specification	Listed value
Overall dimensions	600 × 400 × 28 mm
Display content	Hours, minutes, temperature, humidity, calendar, weekday
Weight and enclosure	2.1 kg; aluminum-alloy frame; tempered glass
Power input	DC 5 V; listed power 1 W*
Installation	Pendant or cantilever mounting

Selection notes

Consider this model when humidity information is required on the clock display. It is not presented as a calibrated environmental monitoring instrument.

Confirm before ordering: the 4G / GPS version and included functions, cellular bands, SIM requirements, antennas and humidity accuracy. Satellite constellations and failover behavior are unspecified.

View HCE-07 online >

Shared specifications and * notes: page 10

HCE-16 time with seconds

A wide, low-profile, single-sided time display with 4-inch digits. The listed synchronization method is 4G.



LISTED CONNECTION

4G

DIGIT SIZE

4 in

DISPLAY FACES

Single-sided

AI-generated concept rendering. Illustrative layout and enclosure; not a photograph or scale drawing.

Specification	Listed value
Overall dimensions	690 × 180 × 28 mm
Display content	Hours, minutes and seconds
Weight and enclosure	1.5 kg; aluminum-alloy frame; tempered glass
Power input	DC 5 V; listed power 1 W*
Operation and installation	Remote control; pendant or cantilever mounting

Selection notes

Consider this model for a time-only display that includes seconds. Calendar, temperature and humidity display are not listed.

Confirm before ordering: cellular bands, local network coverage, SIM and data-plan requirements, time source and antenna arrangement. Recurring connectivity costs, if any, must be confirmed separately.

View HCE-16 online >

Shared specifications and * notes: page 10

Shared specifications

These values are listed in the supplied model sheet and checked against the seven published model pages. They are not independent test results.

Parameter	Listed specification
Display technology	LED numeric modules
LED colors	Red / white; confirm the ordered display configuration
Time format	Selectable 12 / 24 hour
Brightness	Adjustable
Front panel	Tempered glass
Power cable length	1.5 m
Rated power*	1 W for all seven models in the source sheet
Timekeeping figure*	≤5 seconds per month
Temperature accuracy	±1°C for models that list temperature display
Operating temperature*	-20°C to +60°C
Operating humidity*	10-95%; condensation conditions not specified
Mounting	Pendant / cantilever; hardware scope to be confirmed
Power interruption	Memory function listed; battery runtime not specified

Read these values in context

* Verify power consumption and the operating conditions of the supplied configuration. The monthly timekeeping figure is not a measured synchronization error, network accuracy or holdover guarantee. No IP rating, ingress-protection test or model-specific certification is provided in the source material.

Plan the installation

A synchronization label is a starting point. The clock, reference source, power supply and site infrastructure must be compatible as one configuration.

Listed option	Models	Confirm with the project team
NTP	HCE-01 HCE-10	Network interface, reachable time source, addressing and configuration method
Wi-Fi	HCE-01S	Band and authentication support, signal coverage, time protocol and local power
RS485	HCE-01R	Controller compatibility, protocol, topology, cable length and termination
GPS	HCE-12	Receiver and antenna arrangement, reception location and cable route
4G / GPS	HCE-07	Supplied version, cellular and satellite roles, SIM and antenna requirements
4G	HCE-16	Destination-market bands, coverage, SIM / service cost and time source

Application boundaries

- For visible facility time in suitable classrooms, offices, corridors and work areas. Final suitability depends on the location and confirmed configuration.
- Outdoor, wet, washdown and high-condensation locations require a separately confirmed enclosure rating. The operating temperature range is not proof of weather resistance.
- Do not use this catalogue as evidence of medical-device, safety-system, broadcast frame-sync, financial timestamp or high-precision instrumentation compliance.

PoE is not specified for these seven models. Do not assume NTP or Wi-Fi models can be powered through Ethernet or operated without a local power connection.

Request a configuration

Send your preferred model and installation requirements so HC Electronics can confirm the supply scope and prepare a model-specific quotation.

Include these details

01 **Model and quantity**

Include the full code, such as HCE-01S rather than HCE-01.

02 **Site and display**

Destination country, indoor / outdoor conditions, sight lines and required content.

03 **Connection and power**

Existing time source, network or controller details and available power.

04 **Mounting and options**

Pendant / cantilever arrangement, LED color, language and customization.

05 **Commercial requirements**

Target delivery date, accessories, destination and required compliance documents.

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Scope and source notes

Use this catalogue to compare the seven HCE models. Confirm a final specification and supply list before placing an order.

What this edition covers

HCE-01, HCE-01S, HCE-01R, HCE-10, HCE-12, HCE-07 and HCE-16. It does not define the complete clock-server range or promise that every technology described elsewhere on the website is supported by these models.

Product data

Primary specification source: the manufacturer-supplied digital LED clock model and specification sheet dated 10 October 2026. Values were cross-checked against the corresponding published model pages on 7 November 2026.

Dimensions are reproduced in the source order and shown as W × H × D for selection. Confirm approved dimension drawings, tolerances, bracket dimensions and installation clearances before installation.

Illustrations and photographs

The cover shows dimension outlines. Model pages contain AI-generated concept renderings, not photographs, approved layouts or construction drawings. Enclosure details, screen arrangement, colors and proportions are illustrative; shown readings are examples. Model-specific photographs were not verified. Request photographs of the proposed configuration with your quotation.

Items requiring confirmation

HCE-07 configuration and humidity accuracy; HCE-10 assembled double-sided depth and weight; HCE-12 DC 10 V supply; listed 1 W power and operating-condition basis for all models; network, wireless and cellular compatibility; supplied accessories; model-specific certifications and test documentation.

OFFICIAL PRODUCT PAGES

View HCE-01 online >

View HCE-01S online >

View HCE-01R online >

View HCE-10 online >

View HCE-12 online >

View HCE-07 online >

View HCE-16 online >

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