

Selection guide

CSNet centralized controls

The CSNET range comes in two versions: a WEB version that offers flexibility and a touchscreen version for usability.

This range is ideally suited to the needs of any size project: from small to large commercial buildings. It offers more functionality than any other range on the market as standard without add-ons. Installation is quick and easy. Guided configuration makes things even easier.

Central control

Centralised control with touchscreen

CSNET Manager 2T10 / 2T15
+ HC-A64NET interface



Accessories
Wall bracket – Part no.: WALL SUPPORT 2
Base – Part no.: STAND SUPPORT

Manage up to 1,024 indoor units.
Manage 1 to 64 indoor units per HC-A64NET gateway and up to 16 gateways via CSNET. The HC-A64NET gateway can be replaced with CSNET Lite.
Comes with a 10" (2T10) or 15" (2T15) screen.

- True maintenance tool: mail notifications, alarm log, data archive.
- Multi-site remote management and control tool with the web server function.
- Tool for managing and breaking down energy consumption.
- Interlock option: smart programming of IFTTT actions.
- Compatible with Fidélio software: perfect for the hotel industry.

Interface compatible with smartphones, tablets, PCs connected to the local network or via the web.

New features

- Next-generation touchscreen for a more enjoyable user experience.
- New, more intuitive responsive user interface that offers the same features on any screen.
- Wizard function for easier, faster commissioning.
- Master/slave operation of indoor units: no electrical wiring needed for a more flexible and less expensive installation.

Ideal for managing large installations with maximum comfort for occupants and ease of access for maintenance teams.

Centralised control, Web version

CSNET Manager SL +
interface HC-A64NET



Accessory
DIN rail support

Manage up to 1,024 indoor units.
Manage 1 to 64 indoor units on the HC-A64NET gateway and up to 16 gateways via CSNET. The HC-A64NET gateway can be replaced with CSNET Lite.
With the same features as the CSNET Manager 2T10/2T15, this SL version is a web version.
System control is done on smartphone, tablet, or PC only, connected to the local network or via the web.

New features

- More flexible installation: Ethernet port, 2 USB ports, HDMI port.

Ideal for managing large facilities.

Centralised control standalone web version

CSNET Lite



Standalone gateway to run up to 64 indoor units.
Has limited functionality of CSNET Manager 2.
Compatible with smartphones, tablets, PCs connected to the local network or via the web. For multi-site monitoring, CSNET Lite is compatible with CSNET Manager 2T10/2T15 and SL.

Ideal for managing small and medium-sized facilities.



With this CSNET range, you can manage 1 to 64 indoor units on the interface and up to 1024 indoor units, locally or remotely on the WEB.

CSNET Manager 2 is a management and monitoring interface for Hitachi heating and air-conditioning systems. It features new touchscreen technology as well as a responsive display, for an improved user experience.

The CSNET Manager 2 T10 / 2 T15 range, includes 2 screens, 10" and 15".

The system is managed on two H-Link interfaces of your choice, HC-A64NET or CSNET Lite, capable of managing up to 64 indoor units. CSNET Manager 2 can manage up to 16 H-Link interfaces.

For installation extensions, CSNET Manager 2 is also compatible with the old CSNET Web (limited for certain options).

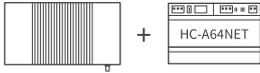
The 320 GB storage capacity allows you to store a virtually unlimited amount of system applications and histories.

Selection guide to CSET centralized controls

		WEB version with touchscreen CSNET Manager 2T10/ 2T15 
Selection	Max. number of indoor units per H-Link interface	Up to 64
	Max. number of indoor units	Up to 1,024
	Max. number of outdoor units	64 outdoor units per interface
	Touchscreen	● 2T10(10") / 2T15 (15")
	Web server	●
	Compatible user interfaces	Smartphone Tablet PC equipped with a web browser
	Compatible BMS	● MODBUS interface included as standard KNX - BACNET via dedicated interfaces
Advanced management features	Number of user access levels	Unlimited
	Create monitoring zones (e.g multiples tenants)	●
	Energy consumption monitoring	●
	Energy consumption distribution breakdown	●
	Demand control	●
	Compatible with MICROS FIDELIO	●
	Unlimited annual programming integrating public holidays and leave	●
	Annual calendar synchronized with Outlook	●
	Set the optional functions of indoor units	● with up-to-date HLINK interfaces (CSNET Lite v2.0 or HC-A64NET v2.0)
	Master/Slave control	●
	MODBUS compatibility included	●
	Interlock function (IFTT concept)	●
	Hotel applications (window contact & temperature setback settings)	●
Advanced display features	Floor plan schematic upload	● (image format)
	Virtual individual remote control	● (control, display ambient T)
Advanced comfort features	Set Back (frost protection)	●
	GENTLE COOL (summer comfort)	●
	Heat Draft (winter comfort)	●
	Demand control	●
	Night setback (lowers noise of outdoor unit)	●
Maintenance features	Fault notifications by email	●
	Operating history	2Gb
	Error log	6 months
	Emergency stop button	-
	Fault indicator button	-
	Check mode (view system parameters)	●
	Refrigeration diagram showing technical data	●
Wizard (commissioning assistant)	●	

CSNET Manager 2: Advanced management tool

WEB version
CSNET Manager 2 SL



Standalone WEB version
CSNET LITE



Up to 64	Up to 64
Up to 1,024	Up to 64
64 outdoor units per interface	64 outdoor units
-	-
•	•
Smartphone Tablet PC equipped with a web browser	Smartphone Tablet PC equipped with a web browser
• MODBUS interface included as standard KNX - BACNET via dedicated interfaces	• MODBUS interface included as standard KNX - BACNET via dedicated interfaces
Unlimited	Unlimited
•	•
•	•
•	•
•	-
•	•
•	-
• with updated HLINK interfaces (CSNET Lite v2.0 or HC-A64NET v2.0)	•
•	•
•	•
•	• (limited actions)
•	-
• (image format)	-
• (manage, display ambient T)	• (manage, display ambient T)
•	•
•	•
•	•
•	•
•	•
•	•
2Gb	256 Mb
6 months	6 months
-	•
-	•
•	•
•	•
•	•

New user + ergonomic interface



A unique menu zone for more intuitive navigation

Menu

An intuitive dashboard: 3 available formats



Dashboard



Icon view



List view

CSNET Manager 2: Advanced management tool

Stand out with quality service

Maintenance is essential because it ensures a long term life cycle of the system. Preventing faults and being responsive in the event of a fault by reducing intervention time with remote analysis tools are the key to meeting end user requirements.

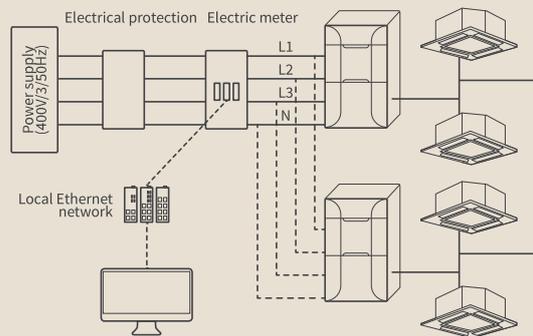
Better control of energy consumption

To offer its customers a secure solution, HITACHI has fully tested and validated select meters with CSNET Manager and VRF systems in the factory. This standard feature allows you to measure, record, and display the energy consumption of all or some of the indoor units and outdoor units managed by CSNET. This consumption is shown in kWh or in £/€ if the user enters their hourly energy cost.

SIEMENS 7KM
PAC3200



SOCOMEK Countis
E27 & E28



Monitoring energy consumption means first and foremost access to information. Various interfaces are available in the 2021 version of CSNET, offering different dashboards with different levels of analysis: from general to specific, monthly to daily.

This feature also allows for multiple tenants to distribute energy consumption per user and by use (Heating or Cooling mode).



On board security: Interlock function

The embedded interlock function, standard in all CSNET interfaces, allows a multitude of interlock scenarios to be easily programmed, providing automated safety in more industrial applications.

For example, a backup air-conditioning unit installed in a server room can be automatically switched on in case of a temperature deviation: If the ambient temperature > 20°C unit 2 will start up with a set point of 18°C.

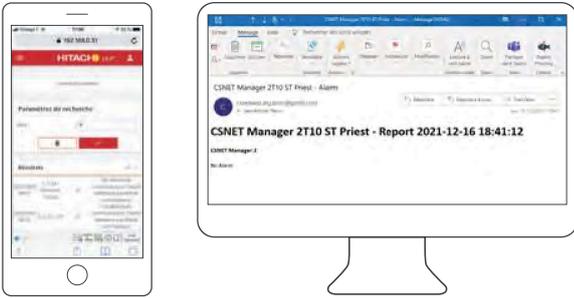
New feature:

Server room management feature in CSNET Manager version 2.0



Fault alerts

An email server can send an email alert if an error code appears on the system.

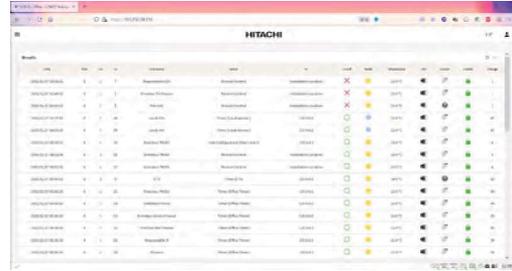


An alarm log is automatically generated by CSNET Manager 2 as soon as the first fault occurs. This log can be exported at any time.



Have remotely accessible analytics tools via the WEB SERVER function for PC, tablet, or smartphone

Access the installation's operating history. These configurable reports allow the user to plot graphs monitoring how the system performs at chosen settings and to create intervention reports.



Investigate a discomfort complaint reported by a customer and solve it remotely by changing operating settings.



A new Customer Experience with a unique and customizable level of comfort

Air off temperature setting, GENTLE COOL

This feature provides unsurpassed comfort levels for every user in Cooling mode by giving them the option to set their own tailored air off temperature.



- With CSNET, Cold drafts that can be a source of discomfort in the summer are a thing of the past in offices, thanks to the option of selecting a high air off temperature.
- With CSNET, an occasionally occupied meeting room can be quickly brought up to temperature by using an unlimited annual schedule synchronized with the calendar in Outlook.

Hotel function

This intelligent on-board programming function, included as standard in all CSNET interfaces, can combine several input signals triggering actions according to IFTTT logic.



- This function can customize comfort levels in rooms, both in summer and winter. When a guest arrives in their room (key insertion), a predetermined setpoint temperature can be activated.
- When opening the bedroom window, the indoor unit can be stopped or the set point adjusted.

Application for hotel rooms

- The CSNET is also compatible with MICRO FIDELIO software.

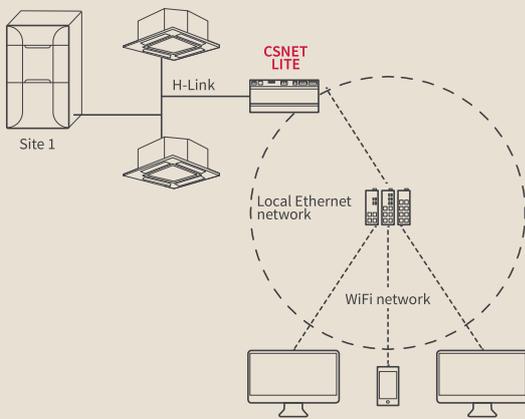


Manage your spare parts with Hi Parts
Log in any time, 24/7.



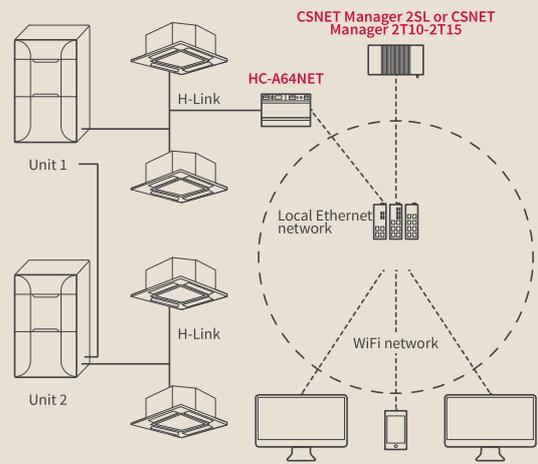
CSNET wiring

An example of a small site setup (< 64 indoor units)



Site 1: Access the local network with a screenless interface. Access from a computer, a smartphone on the same local network, or via the web.

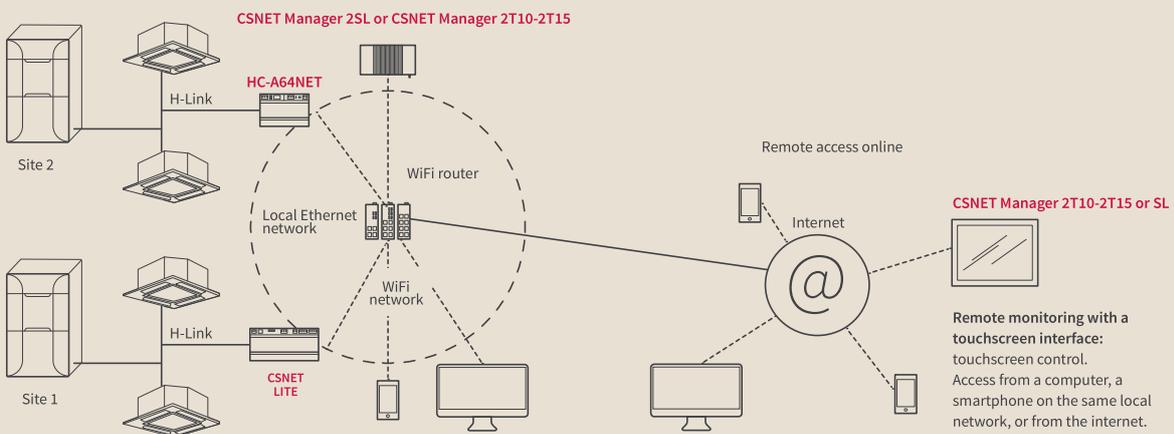
An example of a medium site setup (> 64 indoor units)



For large-scale systems, you can install up to 16 interfaces on an H-Link bus to run up to 16 x 64 indoor units (or 1,024 indoor units).

Site 2: Access the local network with a screenless interface. Access from a computer, a smartphone on the same local network, or via the web.

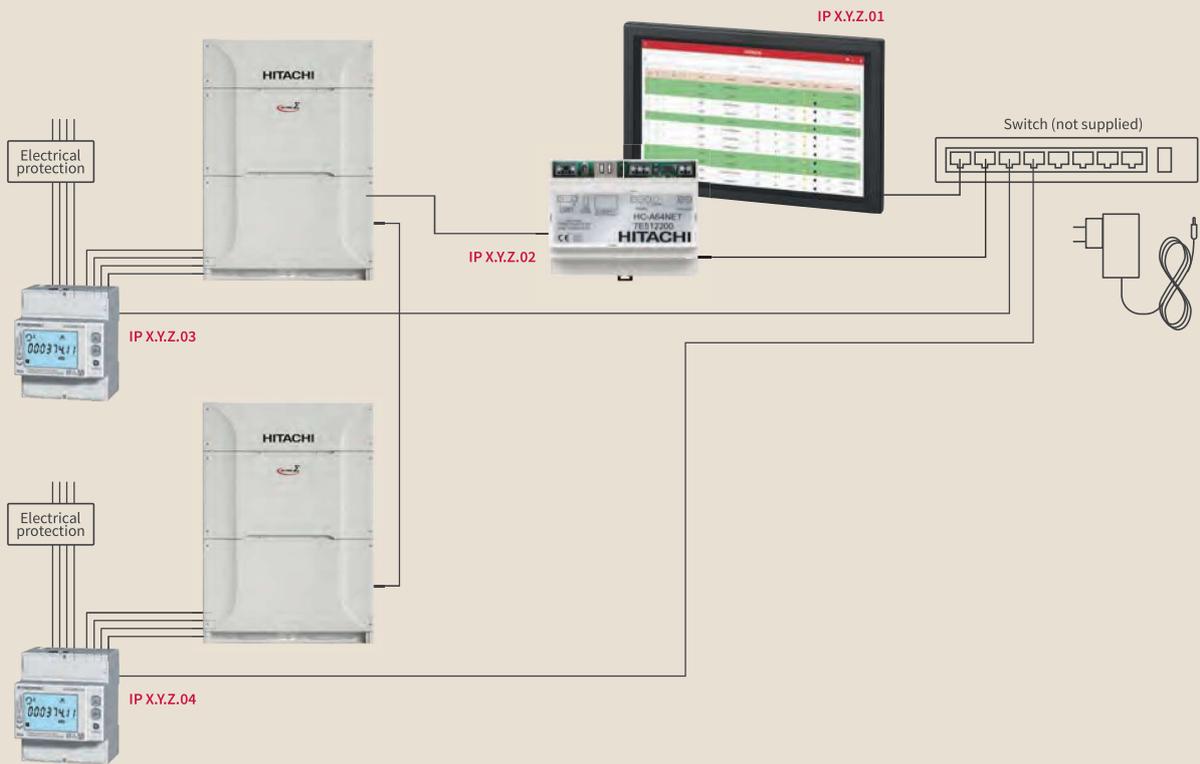
Example of the setup of 2 separate sites equipped with VRFs with centralized CSNET control and monitored remotely



Remote monitoring with a touchscreen interface: touchscreen control. Access from a computer, a smartphone on the same local network, or from the internet.

Connection of a CSNET Manager 2 T10 + 2 energy meters

2 separate VRF units = 2 refrigeration cycles



Connection of CSNET Lite + 1 energy meter

