

[Product Features]

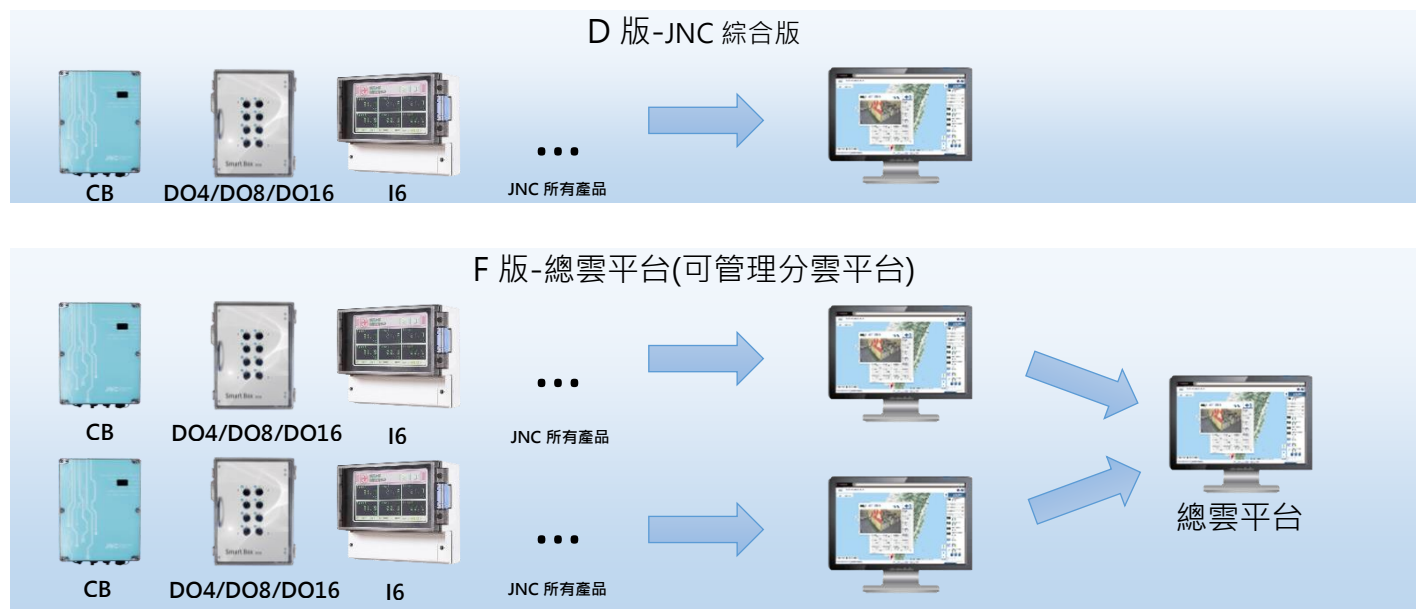
- Full-Site Integration: Supports 60+ device models and centrally manages sensors and controllers such as CB, DO16 and IAQS.
- SCADA Core: A complete built-in SCADA platform supporting real-time data acquisition, switch control, logic execution and historical queries.
- Diverse Analytics: Built-in trend overlays, statistics, wind rose and track charts, custom reports and daily email reports.
- Visual Dashboards: Build monitoring screens by dragging components onto floor plans, or let AI generate them from selected devices.
- High-Performance Storage: SQLite / PostgreSQL databases, backfill of data from disconnection periods, and off-peak archiving of old data.
- Real-Time Alerts & Push: Six-level thresholds plus disconnection alarms, pushed via Email, LINE, SMS and JNC Notify with camera snapshots.
- Multi-Platform Access: Remote access via web browser, dedicated client and mobile devices.
- Tiered Access Management: Permissions down to floor plan, device, channel and function menu, with operation and login logs.
- Open Protocol Support: Compatible with Modbus RTU/TCP, HTTP and MQTT; the platform can also act as a Modbus TCP server.
- Flexible Deployment: Install on an on-premises server or deploy to the cloud to suit different sites.

[Model Selection]

JNC SCADA-Code1-Code2-Code3-Code4

Code 1	Applicable Products	Code 2	License Period	Code 3	License Type	Code 4	Virtual Modules (multi-select)
D	All JNC Products	1	1 Year	N	JNC Hosted	N	None
		3	3 Years				
F	Master Cloud (manages sub-clouds)	5	5 Years	Y	Hardware Key	6	Noise Control Act-6
		10	10 Years				
		20	Perpetual	S	Software Key	D	Data Governance

[Edition Overview]



[System Architecture]



Dynamic Data Interface

World Map: Pinpoint devices on the map and switch directly to navigation mode to quickly reach the installation site.



Floor Plan: Users freely design graphical interfaces, editable in MS Paint, with unlimited screens.



Overview: View all channel readings and statuses of every device on a single screen.

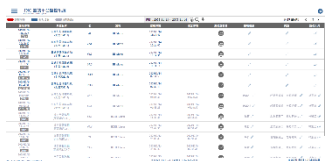


Device Status: View the connection and alarm status of all devices, grouped by zone.

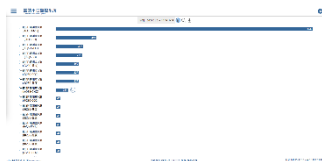


Alarm Functions

Alarm Query: Automatically packages trend charts and live images from an abnormal period, with selectable cameras; alarm types, notes and staff sign-off can be added.



Alarm Statistics: Automatically ranks the top 20 alarm-triggering channels, with detailed lookup.



APP Group Management: Real-time data and image alerts (disconnection / network loss / data alarm); dynamic trend charts shared via JNC Notify for online data discussion.

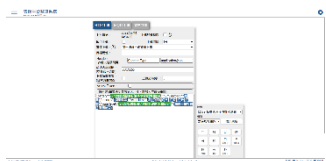


Email Notification: Automatically sends an E-mail alert when an alarm occurs.



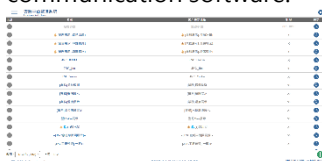
Data Sharing

Upload to other servers via JSON / HTTP / MQTT and more, with user-editable upload formats.



Access Control

Account-and-password management covering every function, channel, dashboard, control permission and communication software.

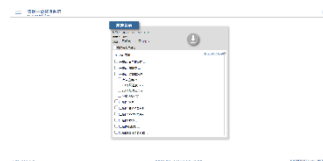


Data Analysis

Trend Chart: Freely select channels to compare, including present-vs-past comparison of the same channel to reveal equipment aging.

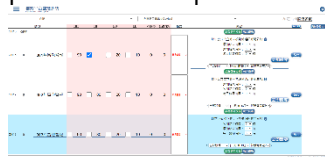


Report Export: PDF / CSV data reports (daily, monthly, yearly, custom) in instant, maximum, average and minimum value types.



Calculation Module

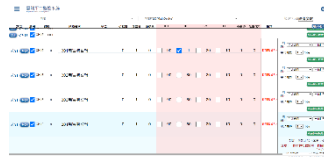
Accumulator:
Automatically accumulates values for statistics such as ESG power consumption.



Formula Calculation:
Supports + - * / % ^ = ≠ < > operations across multiple data points.



Time-Based Averaging:
The system automatically performs rolling averages on selected channels.



Other Calculations: Also includes percentage, time-window triggering, historical data comparison and more.



Web Functions

Permission Management: View functions/channels per the permissions defined in Access Control, with login-record/deletion and quick one-click platform login.



[Feature Overview]

Device Integration	60+ device models, virtual calculated devices (AQI, water quality WQI, energy, utilization rate, etc.), public data from the Central Weather Administration / Ministry of Environment, AI image recognition
Communication	Modbus RTU/TCP, HTTP API, MQTT, reverse connection, DDE (Excel)
Monitoring & Visualization	World / Taiwan maps, floor plans, overview, device status, AI-generated floor plans, AI command center
History & Analytics	Trend overlays, statistics, track charts, wind rose, camera playback, custom reports, daily email reports
Alarms & Notifications	Six-level thresholds + disconnection alarms, data governance alerts, alarm snapshots, alarm suppression; push via Email / LINE / WeChat / Teams / SMS / JNC Notify
Access & Audit	Multi-level permissions, operation and login logs, idle auto-logout
External Integration	JSON API, Modbus TCP Server, MQTT (TLS), HTTP forwarding, CB pass-through API

[Supported Devices]

Model	Product Name	Model	Product Name
CB	Cloud Box	IAQS	IAQ Monitor
DO4/DO8/DO16	IoT Smart Logic Control System	SD	Single Detector
I6	7" IoT Control System	CTR230	IAQ Display
DATA168T	Touch Screen Network Data Recorder	CTV	IAQ System Certification
S400	LED Display	G6S	Green Fresh Air Kit

[Recommended Server Specs]

Processor (CPU)	Intel Core i5-14400 (or above)
Memory (RAM)	16GB DDR4 (or above)
Storage (HDD/SSD)	1TB (or above)
Operating System (OS)	Windows 10 (or above)

※ When deployed alongside a JNC WEE server, note the storage requirement: at 1080P resolution with 7-day recording, each camera needs about 200GB of disk space.

※ If the server needs external network access, the site must have a fixed public IP.