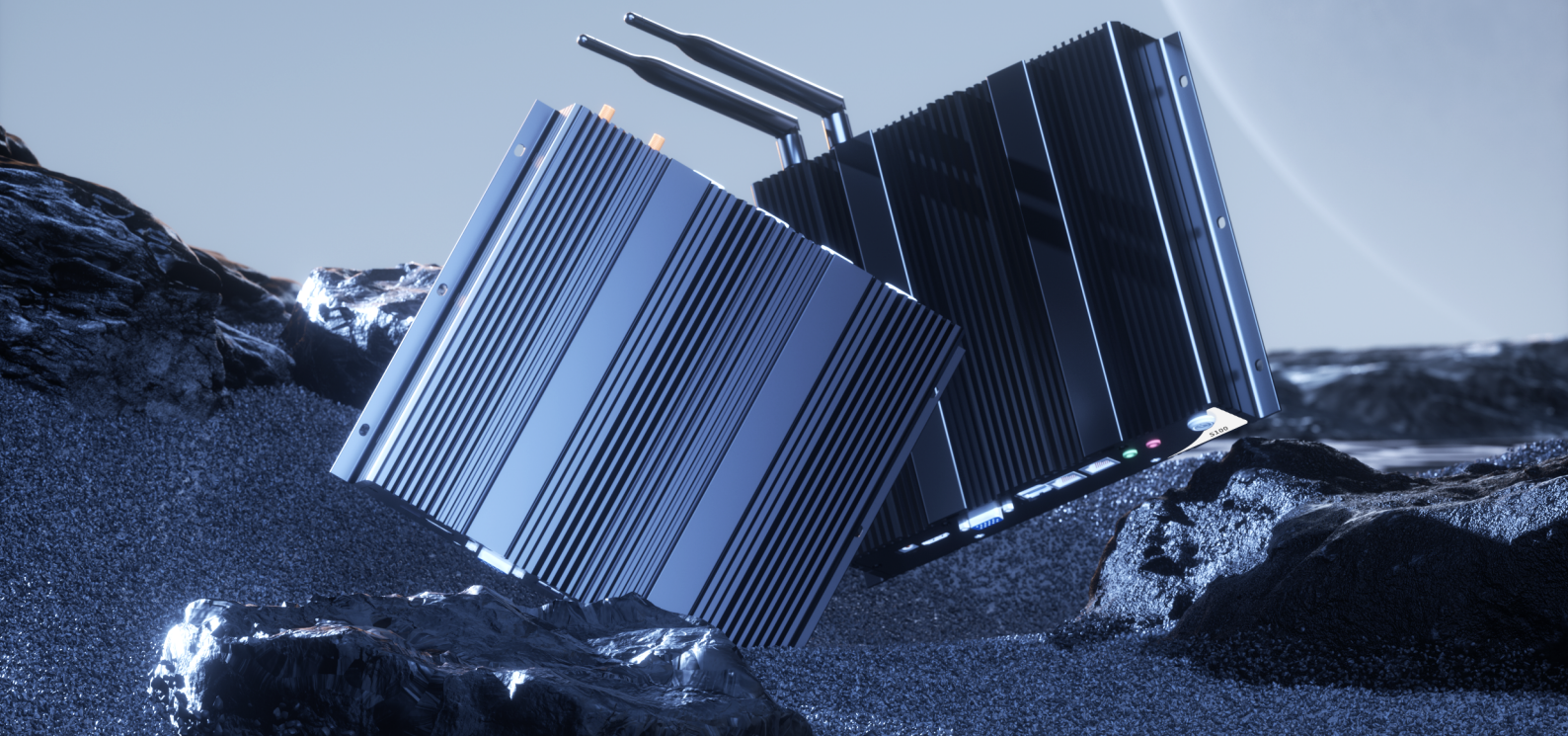


# S Series Intelligent Server

Efficient and easy to use | Powerful memory

Secure and stable | Upload cloud on demand



## 11 Highlights

- Intelligent device data syncs automatically, integrating collection, storage and analysis.
- Built-in modules, equipment/engineering screens, production data, alarms & monitoring instantly to large screen.
- Access S100 via LAN or internet through mobile APP, mini-program, PC browser, etc.
- Auto-discovers LAN and cross-network IoT device data, supporting unified management & remote monitoring.
- Clear visual display of real-time and historical device data values.
- Automatically receives alarm details, screenshots and videos from LAN intelligent devices for quick response.
- Auto-acquires local LAN cameras custom screen layouts for a centralized monitoring hub.
- Built-in MQTT service for seamless connection with third-party device data, databases, and ERP/MES systems.
- Drag-and-drop to build professional dashboards with a powerful web SCADA and rich component library.
- Breaks cloud cycle limits for long-term, independent, secure local storage, cloud upload on demand.
- Local deployment with hierarchical access, granular permissions and full operation auditing secures data.



## Haiwell Intelligent Server

### S100

Newly launched all-in-one hardware-software  
intelligent localized server

Out-of-the-box | Powerful memory | Secure and stable

Upload cloud on demand

empowering enterprises easily achieve digital transformation

Based on HaiwellLink technology, the HaiwellLink server integrates a powerful Web SCADA (configuration project, data visualization capabilities) and combines local server and visualization system functions based on a all-in-one hardware-software architecture. It can easily achieve full-scenario interconnection within the local area network, providing intelligent real-time management of device data and on-site cameras. S100 can easily integrates with third-party platforms such as ERP and MES, helping device manufacturers and integrators to rapidly implement digital solutions while empowering end-customers to accelerate their digital transformation .

## ► 6 Major Overall Advantages Introduction



### Software and hardware all in one extremely cost-effective

- Deep integration of IT and OT
- High reliability and stability
- Built-in powerful Web configuration editor
- Rich components with visual diagrams for quick invocation



### Local area network connectivity across all scenarios

- The data of local intelligent devices is automatically synchronized
- View local surveillance images with one click
- Custom grid layout, flexible split-screen
- Make the overall state clear at a glance



### Device-to-system full link interconnection

- Easily connect to third-party databases
- Compatible with multiple protocols such as HTTP and MQTT
- Integration with platforms such as ERP and MES
- Achieve full-chain data connectivity from device to system



### Local control data upload to cloud on demand

- Equipped with super large storage space
- Data storage is not limited by cloud cycles
- Device data is stored and displayed locally
- Upload to cloud on demand, with both security and flexibility



### System security ultimate protection

- Data transmission is encrypted throughout
- Strict access permission control
- System operations are all traceable
- Build a secure line for enterprise data



### Enterprise digital transformation engine

- Integrate local servers with visualization
- One device handles one project
- Quickly build a visual management scenario
- Empower enterprise management precisely

## Model List

| Model               | RAM        | Flash | CPU           | LAN | COM                | WIFI | Display Port | USB | Audio Interface | Special Function                                                                       | Dimension WxHxD |
|---------------------|------------|-------|---------------|-----|--------------------|------|--------------|-----|-----------------|----------------------------------------------------------------------------------------|-----------------|
| S100<br>(Linux)     | 8G/16G/32G | 1T/2T | Intel Core i5 | 2   | 3*RS232<br>1*RS485 | 1    | VGA<br>HDMI  | 2   | Yes             | Haiwell Web SCADA<br>Data visualization system<br>MQTT service<br>Data interconnection | 235x47x205mm    |
| S100 Pro<br>(Linux) | 16G/32G    | 2T    | Intel Core i5 | 2   | 3*RS232<br>1*RS485 | 1    | VGA<br>HDMI  | 2   | Yes             | Haiwell Web SCADA<br>Data visualization system<br>MQTT service<br>Data interconnection | 235x47x205mm    |

## Products Features



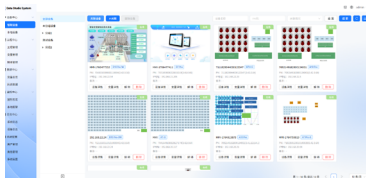
### Built-in Web SCADA

Built-in rich components and visual elements (device/engineering screens) enable centralized multi-device data O&M and visualization dashboards



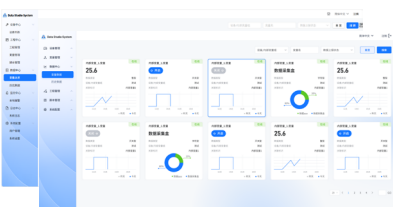
### Automatic device data synchronization

Automatically synchronize data from local area network or cross-public network devices, eliminating the need for manual operation



### Real-time overview of variables

Real-time and historical values of device data are visualized for clearer insight Integrates data collection, storage, analysis, and visualization



### Local alarm

Displays alarm information of local devices, enabling real-time monitoring of device alarms to ensure safe and stable operation



### Centralized management of LAN devices

No secondary configuration. Intelligent HMI, Intelligent PLC, Intelligent gateway and other devices within the LAN are automatically managed centrally



### Interface with third-party data

Support integration with third-party databases and software platforms such as ERP and MES for easy data pulling and writing



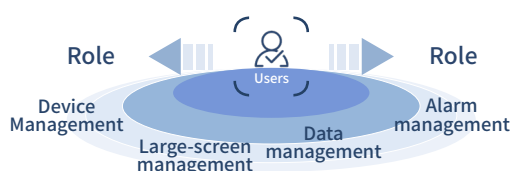
### Build a monitoring center

Automatically acquires local cameras information within the LAN, with customized split-screen style for centralized monitoring of multiple cameras fee



### Multi-level permission management

Supports creating users, associating roles, and flexibly assigning permissions for granular control over operational scope

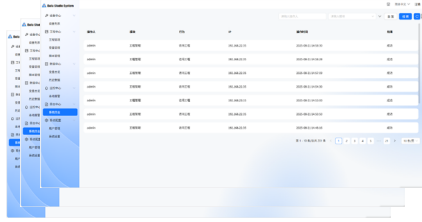






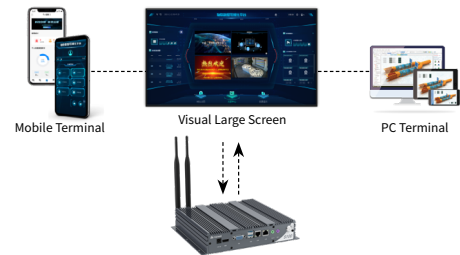
## Log center

Fully records operation trails, making every step traceable and ensuring compliant and controllable system operation support intelligent HMI/gateway etc device online status checks



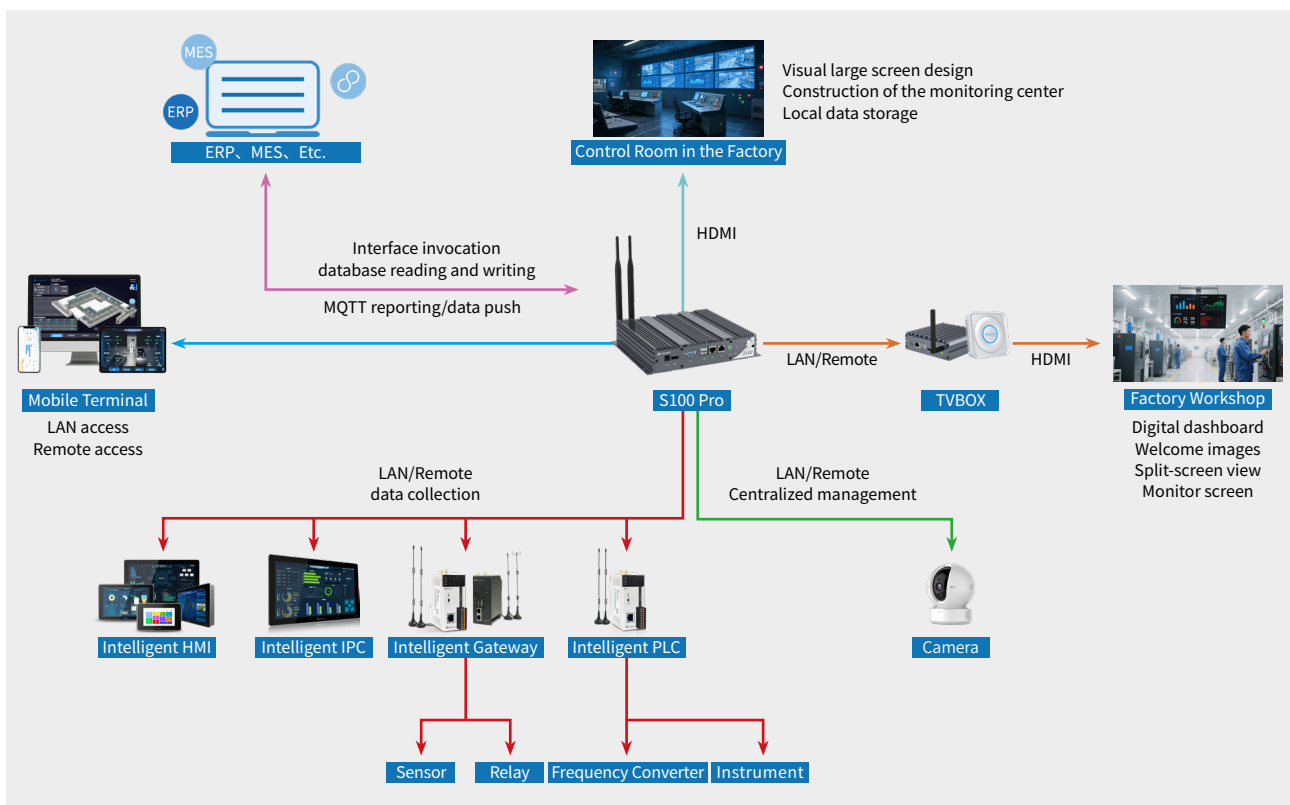
## Local access and cloud access

Integrating Haiwell's distinctive cloud and local access features, Supports accessing the S100 from multiple platforms like mobile, apps, mini-programs, and PC browsers, enabling cloud migration on demand



## Digital Factory

Automatically centralize the collection of data from devices within the local area network, connect to third-party platforms and third-party devices, and easily achieve digital transformation of the factory

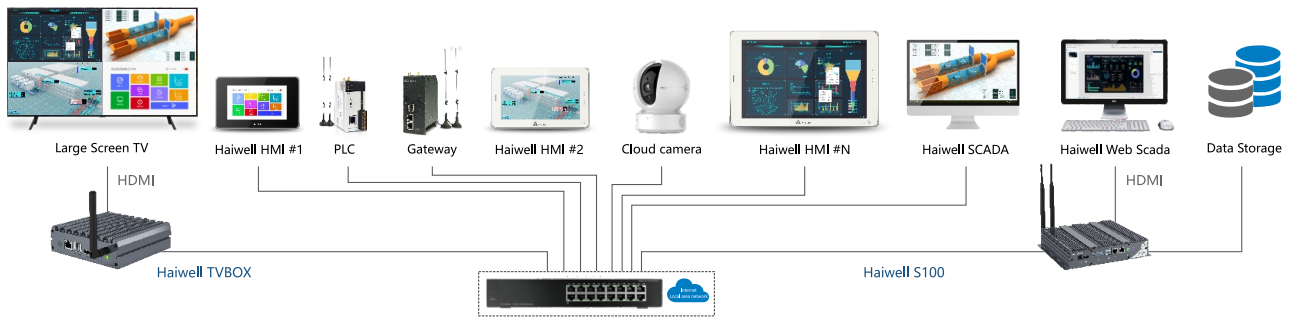


Workshop Management Monitoring Analysis Dashboard

- Centralized management of devices within a local area network and unified data collection
- Real-time visualization of device parameters, operational status, and production capacity data
- Real-time reporting of device data and invocation of data from platforms such as ERP and MES
- Comprehensive monitoring of device alarms and faults
- Easily achieve digital dashboard in the workshop site
- Centralized monitoring of on-site surveillance footage
- S100 cloud upload on demand, flexible and convenient, with secure and controllable data
- Support access to the workshop site within a local area network or remotely via mobile phone, tablet or computer
- Comprehensive and multi-dimensional display of the real-time situation of the smart factory site

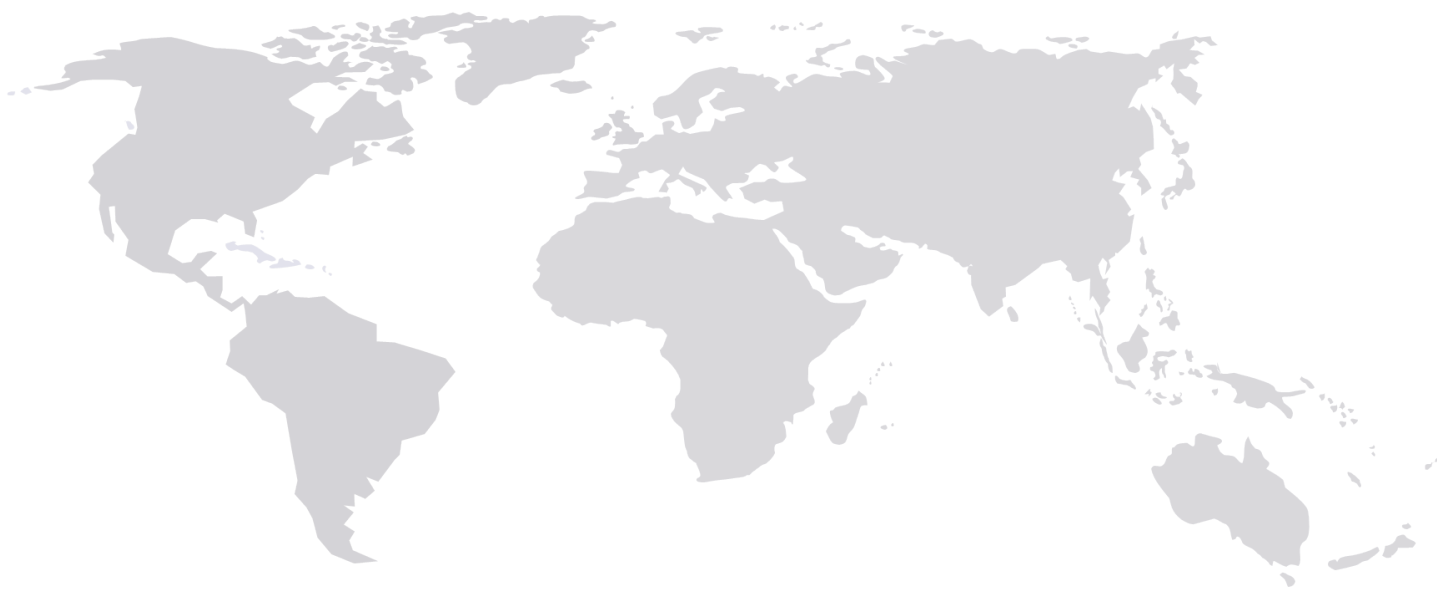


## Network Diagram



## Specification

| Products Specification |                             | S100                                                                                            | S100 Pro         |
|------------------------|-----------------------------|-------------------------------------------------------------------------------------------------|------------------|
| Hardware               | CPU                         | Intel Core i5                                                                                   |                  |
|                        | Flash                       | Optional 1T/2T                                                                                  | 2T               |
|                        | RAM                         | Optional 8G/16G/32G                                                                             | Optional 16G/32G |
|                        | Ethernet port               | 10/100/1000 Base-T*2                                                                            |                  |
|                        | WIFI                        | Support 802.11b/g/n/ac                                                                          |                  |
|                        | USB HOST                    | USB3.0*2                                                                                        |                  |
|                        | RTC                         | Built-in RTC                                                                                    |                  |
| Power                  | Rated input power           | 12V DC Power Supply                                                                             |                  |
|                        | Power consumption           | 30W                                                                                             |                  |
|                        | Power protection            | With surge protection and reverse connection protection                                         |                  |
|                        | Withstand voltage           | 500VAC                                                                                          |                  |
|                        | Insulation resistance       | over 50MΩ @500VDC                                                                               |                  |
| Environment            | Cooling method              | Natural air cooling                                                                             |                  |
|                        | Storage temperature         | IP20                                                                                            |                  |
|                        | Operating temperature       | -20°C ~ 70 ° C                                                                                  |                  |
|                        | Operating temperature       | 0° C~50° C                                                                                      |                  |
|                        | Relative humidity           | 10%~90%RH (non-condensing)                                                                      |                  |
|                        | Operating environment       | Dust-proof, moisture-proof, corrosion-proof, free from electric shock and external impact, etc. |                  |
|                        | Vibration resistance        | 10~25 Hz (X, Y, Z axis 2G/30 minutes )                                                          |                  |
| Structure              | Material                    | Metal shell + glass panel                                                                       |                  |
|                        | External dimensions (WxHxD) | 235x47x205mm                                                                                    |                  |
|                        | Installation                | Laying、Panel Mount VESA(100*100)                                                                |                  |



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Haiwell APP



Haiwell Wechat

The parameters of product are subject to changes without prior notice. (Ver I - 202512)