Haiwell 海为®

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



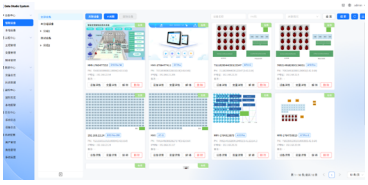
Centralized management of LAN devices

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



Automatic device data synchronization

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



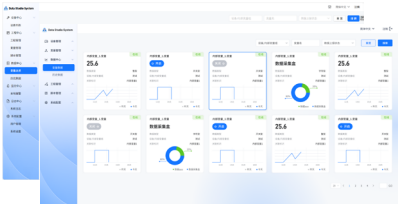
Interface with third-party data

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



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



Build a monitoring center

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



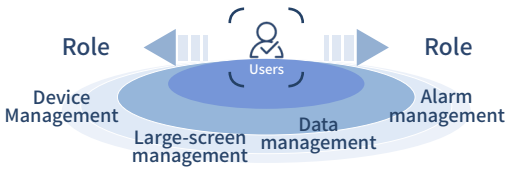
Local alarm

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



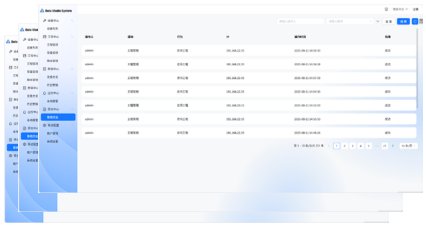
Multi-level permission management

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



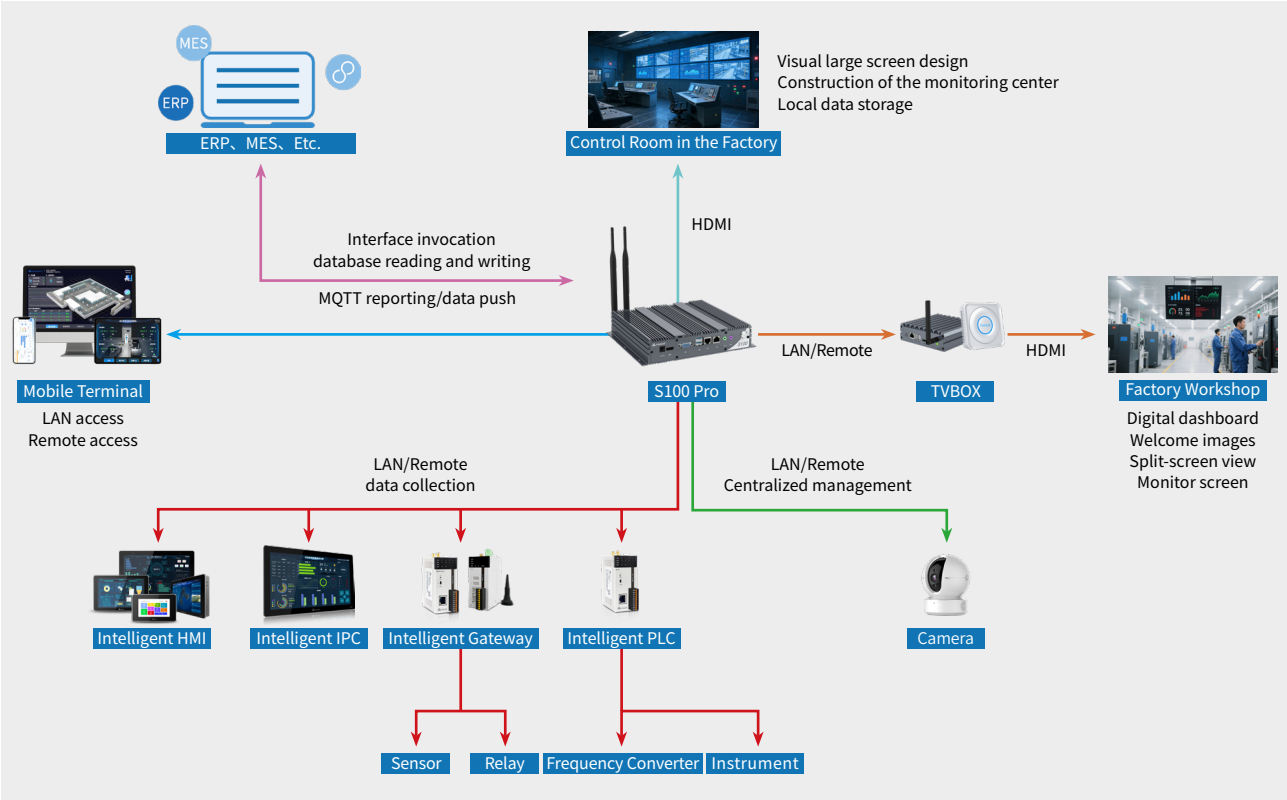
Local access and cloud access

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

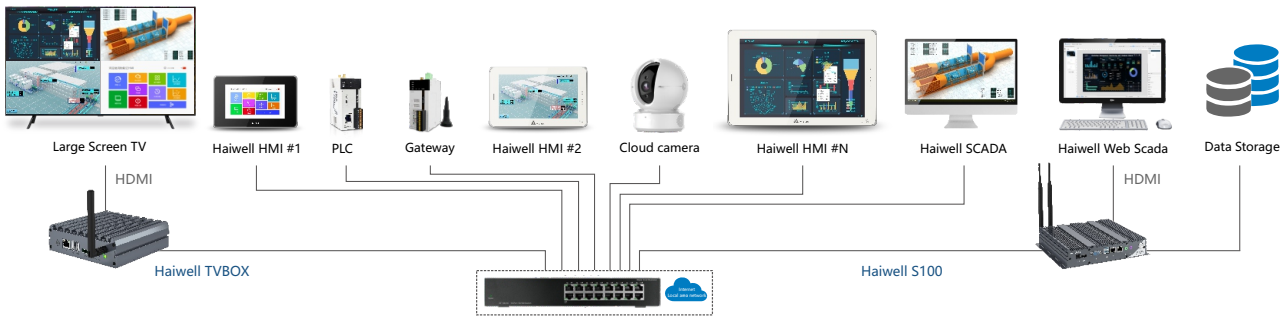




Workshop Management Monitoring Analysis Dashboard

- 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	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	
	Operating temperature	-20℃ ~ 70 ° C	
	Operating temperature	0° C~50° C	
	Relative humidity	10%~90%RH (non-condensing)	
	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

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The parameters of product are subject to changes without prior notice. (Ver I - 202609)