BAS

BAS RESOURCE PLATFORM DETAILED EXPLANATION OF CORE ADVANTAGES

COMPARE WITH INDUSTRY COMPETITORS

BAS V3 Advantages Overview

Summary of Advantages

Precise Operation & Maintenance

Intelligent Early Warning

3D Roaming Inspection

Let's Share the Application Value of Basic Network Data

Contents

Contents

1、 Operation & Maintenance Closed-Loop

Competitors	VS	BAS V3	
❌ No independent alert module		✅ Supports automatic alerts for device offline, abnormal disconnection, etc., and links to the work order system	BAS enables a full closed-loop of fault automatic detection → positioning → work order creation → processing → verification. (No device passive technical architecture)
❌ Relatively single display		✅ Supports multi-dimensional display of network resources and 2D/3D switching	BAS supports multiple display methods and flexible switching for comparison.
✅ Basic work order functions only		✅ Supports suspension, reassignment, QR coxde repair, image upload	BAS' s work orders are more flexible, adapting to complex O&M scenarios (e.g., hospitals, schools, enterprises).
❌ No Probe Scanning		✅ **Automatically detects online status of optical/copper cables and marks faulty ports**	Reduces manual patrols and improves fault response speed.

Typical Scenario:
Network Fault: System detects offline port → Automatically generates work order → O&M personnel accepts order via APP → Locates cabinet via QR code → Marks completion after repair.

2. Mobile Support (APP/Miniprogram)

Competitors	BAS V3	
❌ No mobile terminal	✅ Scan device/space QR code to quickly view info or file a repair	On-site staff don't need a PC—handle issues anytime, anywhere.
❌ No Voice/Image Repair Reporting	✅ Support photo upload for fault reporting	Reduces communication costs, especially suitable for non-technical staff (e.g., property workers).
❌ No Work Order Processing	✅ Support reassignment and suspension	Flexibly adapts to emergencies (e.g., maintenance personnel can't arrive on time).

3. CAD Diagram-Model Automatic Conversion (Saves 90% Modeling Time)

Competitors	BAS V3	
✕ Manual modeling required	✓ Automatically identifies wiring and device positions in drawings, generates 3D models	BAS directly reuses existing CAD design drawings to avoid redundant work. 3D models are built 1:1 for projects.
✕ Fully dependent on manual work	✓ Only minimal manual correction needed (e.g., for special device positions)	Suitable for renovation projects with existing drawings (e.g., intelligent upgrade of old buildings).

Typical Scenario:

Complex Wiring Management: Import CAD drawings → System automatically generates floor models → O&M team performs 3D full-scenario roaming O&M (no need for on-site patrols, reducing human resources).

4. Refined Monitoring of Optical/Copper Cables

Competitors	BAS V3	
✗ Only basic optical cable modeling supported	✓ Manually enter breakpoint distance; faulty position highlighted in 3D view	BAS can quickly locate underground optical cable breakpoints, shortening repair time.
✗ No Copper Cable Online Detection	✓ Identify fault segments; real-time mark offline ports (color-coded)	Efficiently locate faults, avoid manual segment-by-segment/port-by-port checks, and greatly improve O&M efficiency.
✗ Limited scenarios	✓ Fully support Ethernet, Ethernet over Fiber, and PON network architectures; comprehensive scenario coverage	BAS supports most current usage scenarios.
✗ Hardware-dependent or not supported	✓ Cable monitoring via software; no additional hardware required	BAS uses a software solution for high efficiency and low cost.
✗ Local or single-point mode	✓ Full-link analysis based on network topology	A more comprehensive and accurate monitoring solution.

Typical Scenario:

Core Switch Fault: Probe scanning detects a fault in the equipment room segment → Switch port 24 goes offline → Locate to cabinet A-12U → O&M personnel perform on-site troubleshooting.

5. Flexible Permissions & Project Collaboration

Competitors	VS	BAS V3	
✅ Only focuses more on overall infrastructure management		✅ Assign permissions by project (e.g., Building A administrator can only view Building A data)	BAS suits multi-team collaboration (e.g., property, IT, third-party contractors).
❌ No Change Management		✅ Change process: Application → Approval → Activation	Ensures traceability of O&M operations (e.g., modifying equipment room layout requires upper-level approval).
❌ No Project Management		✅ Supports single-project, multi-project, and cascaded project management	Flexibly meets various project management requirements.

Typical Scenario:

School IT O&M: The network team manages the equipment room, while the property team manages corridor wiring—their permissions do not interfere with each other.

5. Flexible Permissions & Project Collaboration

Competitors	BAS V3	
✅ Only focuses more on overall infrastructure management	✅ Assign permissions by project (e.g., Building A administrator can only view Building A data)	BAS suits multi-team collaboration (e.g., property, IT, third-party contractors).
❌ No Change Management	✅ Change process: Application → Approval → Activation	Ensures traceability of O&M operations (e.g., modifying equipment room layout requires upper-level approval).
❌ No Project Management	✅ Supports single-project, multi-project, and cascaded project management	Flexibly meets various project management requirements.

Typical Scenario:

School IT O&M: The network team manages the equipment room, while the property team manages corridor wiring—their permissions do not interfere with each other.

6. Seamless Integration with Other Systems

Competitors	VS	BAS V3

❌ Only focuses more on infrastructure data import

✅ API：Provides interfaces for work orders, device ledgers, etc.

BAS is easier to integrate into enterprises’ existing IT systems (e.g., integration with WeChat Work).

Typical Scenario:

System Integration: Device fault work orders are automatically synchronized to the campus O&M management platform.

Contents

Application scenarios

Healthcare Industry

Solution

Real-time monitoring of medical device port status, with automatic alerts for offline devices.

Doctors and nurses can file repair requests via QR code scanning on the APP or miniprogram, and the IT team responds within 5 minutes.

Requirement

High network availability and fast fault response in operating rooms/ICUs

Application scenarios

Data Center/Equipment Room

Solution

Probe scanning real-time detects the operating status of switches and copper/optical distribution frames.

View the full scenario via 3D visualization; full-link data (accurate to each fiber core).

Fault segments can be identified without consulting documents or on-site personnel.

Achieve the application value of efficient intelligent operation and maintenance.

Requirement

Precisely manage the operational status of devices in cabinet U positions.

Application scenarios

Smart Campus (Commercial/School/Government)

Solution

Rapid modeling via CAD import;

property staff handle repair requests via the APP.

Work order statistical reports optimize O&M manpower allocation.

Requirement

Unified management of multiple buildings and cross-departmental collaboration.

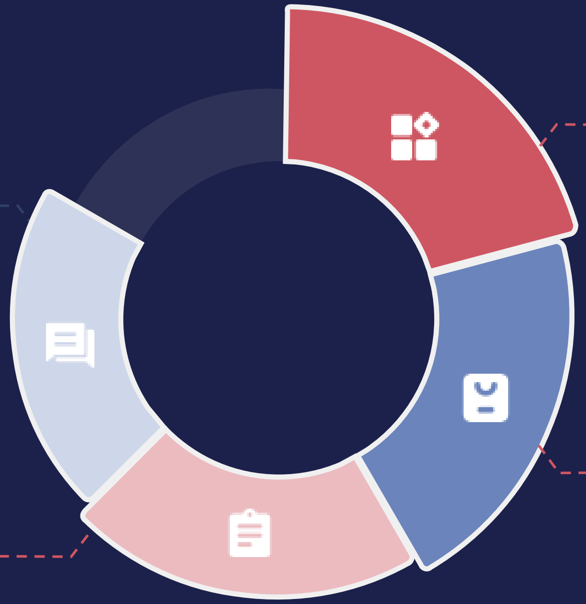
Contents

Summary

Why is BAS Smart Link Better Suited for O&M Scenarios?

CAD automatic conversion

Automatic alerts + streamlined work orders



Real-time O&M Closed-Loop

Full-function support for APP/miniprogram

If your requirements are building/campus O&M (requiring mobility, fast response, and CAD reuse)

BAS V3, with its closed-loop capability of monitoring → alert → work order → mobile handling, is the better choice for O&M scenarios!

Leader in Basic Network Data Resources

THANK YOU FOR WATCHING