

AIP830-101 S2

Operation Keyboard

Yokogawa AIP830-101 S2 is an AIP830 operation keyboard for CENTUM VP process-control systems. The AIP830 record specifies dual USB Type-A connectivity, USB 2.0 keyboard operation and an integrated USB speaker function.

IDENTITY	VERIFIED VALUE
Manufacturer	Yokogawa
Complete model	AIP830-101 S2
Product role	Operation Keyboard
System family	CENTUM VP / CENTUM CS
Country of origin	Japan

DOCUMENT SCOPE

Exact identity, manufacturer-supported technical data, installation checks, applications, precautions and controlled verification records.

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Technical Specifications

PARAMETER	VERIFIED VALUE
Product type	AIP830 operation keyboard
Keyboard function	USB 2.0 Full-speed, bus-powered
Sound function	USB 1.1 Full-speed, bus-powered
Interface	2 × USB Type-A
Supply	5 V ±5% from USB port
Maximum current	1 A
System context	CENTUM VP process control system
Installation category	IEC 61010-1 Class I

Model-Specific Engineering Note

ENGINEERING BOUNDARY

Before commissioning Yokogawa AIP830-101 S2, verify the AIP830 suffix, USB host connection, 5 V ±5% supply from the PC port and the assigned CENTUM VP workstation. Confirm the keyboard and sound interfaces before release.

Pre-Installation Checks

NO.	REQUIRED CHECK
1	Verify Yokogawa AIP830-101 S2 marking and official AIP830 suffix before installation.
2	Confirm the assigned CENTUM VP workstation and USB host ports.
3	Verify the 5 V ±5% USB-supplied power path.
4	Check USB 2.0 keyboard and USB 1.1 sound interface assignments.
5	Keep connectors and keyboard surface clean and free from contamination.

System Role and Architecture

Yokogawa AIP830-101 S2 is an AIP830 operation keyboard for CENTUM VP process-control systems. The AIP830 record specifies dual USB Type-A connectivity, USB 2.0 keyboard operation and an integrated USB speaker function.

FUNCTION 1
AIP830 operator keyboard

FUNCTION 2
Dual USB Type-A interface

FUNCTION 3
USB 2.0 keyboard operation

FUNCTION 4
Integrated USB speaker function

Common Applications

APPLICATION	ENGINEERING CONTEXT
CENTUM VP operator stations	Supports operator input at an assigned process-control workstation.
Desktop HIS operation	Provides keyboard and sound functions through the PC USB ports.
Process control workstations	Integrates the AIP830 control interface into documented Yokogawa systems.
Maintenance and replacement	Supports controlled keyboard replacement after checking suffix and host interface.

CONTROLLED ACCEPTANCE DUTY

Confirm identity, physical interface, companion hardware, configured values and functional response against the installed-system record before release.

Engineering Precautions

NO.	PRECAUTION
1	Verify Yokogawa AIP830-101 S2 marking and official AIP830 suffix before installation.
2	Confirm the assigned CENTUM VP workstation and USB host ports.
3	Verify the 5 V $\pm$ 5% USB-supplied power path.
4	Check USB 2.0 keyboard and USB 1.1 sound interface assignments.
5	Keep connectors and keyboard surface clean and free from contamination.
6	Test operator input, sound function and workstation response before release.

Model-Specific FAQ - Part 1

QUESTION	ANSWER
What is Yokogawa AIP830-101 S2?	An AIP830 operation keyboard for Yokogawa CENTUM VP process-control systems.
Which USB interfaces are documented?	Two USB Type-A ports; keyboard function is USB 2.0 and sound function is USB 1.1.
What supply is required?	5 V $\pm$ 5% supplied from the PC USB port.
What is the maximum current?	The documented maximum consumption current is 1 A.

Model-Specific FAQ - Part 2

QUESTION	ANSWER
Which system uses it?	Yokogawa CENTUM VP process-control workstations.
What installation category is specified?	IEC 61010-1 Class I.
What should be verified before replacement?	Marking, suffix, workstation, USB ports and interface assignments.
How should it be commissioned?	Run a controlled keyboard-input, sound and workstation-response test.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Yokogawa S9129FA	View Yokogawa S9129FA
Yokogawa AMM12 S3	View Yokogawa AMM12 S3
Yokogawa ATK4A-00 S1	View Yokogawa ATK4A-00 S1

MANUFACTURER SOURCE RECORD

Yokogawa GS33J50C32-01EN AIP830 General Specifications
AIP830 operation keyboard; USB interface and environmental specification

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