

# 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.

|        |                       |         |                                                                          |
|--------|-----------------------|---------|--------------------------------------------------------------------------|
| BRAND  | Yokogawa              | ORIGIN  | Japan                                                                    |
| MODEL  | AIP830-101 S2         | PRODUCT | Operation Keyboard                                                       |
| FAMILY | CENTUM VP / CENTUM CS | SOURCE  | AIP830 operation keyboard; USB interface and environmental specification |

### MANUFACTURER SOURCE RECORD

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

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# Product Overview

## SYSTEM FUNCTION

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

## TECHNICAL NOTE

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

# Technical Data and Acceptance

| 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              |

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.

## Acceptance Path

1 IDENTITY

Exact AIP830-101 S2 marking recorded

2 INTERFACE

USB ports and assignments verified

3 FUNCTION

Keyboard and sound response confirmed

# Applications and Engineering FAQ

| 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. |

## 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.                                |

# FAQ, Related Products and Source

| 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     | <a href="#">View Yokogawa S9129FA</a>     |
| Yokogawa AMM12 S3    | <a href="#">View Yokogawa AMM12 S3</a>    |
| Yokogawa ATK4A-00 S1 | <a href="#">View Yokogawa ATK4A-00 S1</a> |

### MANUFACTURER SOURCE RECORD

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