ANB10D-S1

01 / Product identity and control context

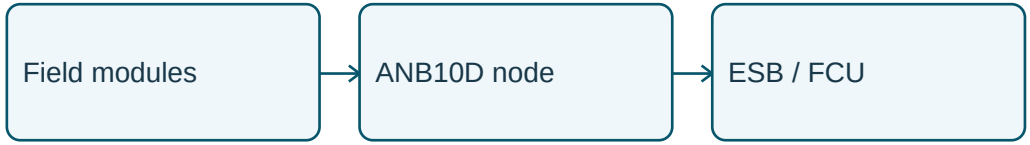
ESB Node Unit

Yokogawa ANB10D-S1 is offered as an ANB10D ESB bus node unit for CENTUM FIO. The node design links field I/O to the FCU through a dual-redundant ESB bus.

Key characteristics

Product type	ESB bus node unit
Base bus arrangement	Dual-redundant ESB
Base I/O capacity	Up to eight modules
Mounting family	19-inch rack

Functional relationship



Complete identity

Match ANB10D-S1 and all additional assembly, power-module and interface markings on the offered unit.

Configuration boundary

The technical data describes the ANB10D base design. Match the complete ANB10D-S1 marking, style and installed configuration; do not transfer later suffix approvals or ratings automatically.

Product and installation enquiries

sales13@apterpower.com | +86 18030235313

Apply manufacturer instructions and approved site procedures.

ANB10D-S1

02 / Technical characteristics

Hardware and functional data

Product series	CENTUM FIO
Reference design	ANB10D
Node communication	ESB bus
Base bus configuration	Dual-redundant
Base I/O module positions	8 maximum

Interfaces and operating conditions

Node interface family	SB401
Dual node interface arrangement	Two SB401 modules
Power-supply families	PW481 / PW482 / PW484, configuration-dependent
Base mounting	19-inch rack
Node functions	I/O data exchange and I/O-module power supply

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03 / Application and integration contexts

Field I/O concentration

Group supported analog and contact I/O modules in a node and exchange their signals with the FCU through the ESB link.

Redundant node communications

Use matched SB401 interface paths for the configured dual ESB connection, preserving both node-side paths and the FCU-side arrangement.

Host and bus relationship

Verify the FCU, ESB coupler arrangement, redundant paths and permitted node configuration.

Cabinet I/O expansion

Add a node only within the host release, module-allocation, power-loading and installation limits of the complete system.

Installed node replacement

Match the actual node identity, fitted power modules and I/O inventory before restoring an existing assembly. Related node names do not establish interchangeability.

Installed module inventory

Record the PW power-module models, SB401 pair and all I/O or communication modules, including their allowed positions.

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04 / Installation and release decisions

Identify the fitted power modules

Select supply requirements from the actual PW module and node configuration, never from the shortened node marking alone.

Preserve redundant paths

Identify both SB401 channels and corresponding ESB connections. Do not interchange or omit a required redundant path.

Check module eligibility

Confirm the FCU and release-specific module list, including communication-only restrictions where they apply.

Review rack installation

Use the approved rack mounting and insulation arrangement, with adequate support and access for module maintenance.

Check node loading

Verify module allocation, power loading and environmental limits before adding I/O or communication modules.

Validate the whole assembly

Test node status, communication and field-module behavior after replacement. Confirm all supplied modules and separate accessories in the quotation.

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ANB10D-S1

05 / Lifecycle, evidence and related portfolio

Lifecycle status

The current manufacturing and service-support phase for this complete offered reference has not been confirmed.

Supply boundary

Apter Power availability and dispatch are confirmed separately from the manufacturer lifecycle phase.

Technical basis

Yokogawa ANB10S/ANB10D ESB Bus Node Units, GS 33J60F20-01EN, 8th edition.

Related product references

Yokogawa SR1220E2 SR1220E2-3SN

Yokogawa PW482-S01

Yokogawa PW482-10

Yokogawa NP53*C

Navigation only; no substitute or accessory compatibility is implied.

Offered-unit verification

Compare the complete label, connectors, mounting arrangement and applicable hardware/software revision. Confirm included components and accompanying documents in the quotation.

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