

CENTUM VP AFV10

Product Data Sheet

CP451-10 S2

Field Control Station Processor

FCU PROCESSOR ARCHITECTURE	PROCESSOR CLOCK FREQUENCY	FIELD CONTROL MAIN MEMORY	MAIN-MEMORY BATTERY BACKUP
VR5432	133 MHz	32 MB	72 hours maximum

Yokogawa CP451-10 S2 is a field control station processor in the CENTUM VP AFV10 range. It is the processor module used in the documented AFV10 field control unit. It executes the configured field control functions as part of a simplex or dual-redundant station arrangement.

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VERIFIED TECHNICAL DATA

FCU processor architecture	VR5432
Processor clock frequency	133 MHz
Field control main memory	32 MB
Main-memory battery backup	72 hours maximum
Minimum battery recharge time	48 hours
FCU Vnet/IP interface	Dual-redundant
Duplex FCU processor population	2 CP451 modules
Maximum FCU node population	14 with documented capacity package and node licences
ESB node subset limit	9 units
Local FCU I/O capacity	8 modules maximum

ADDITIONAL PRODUCT DATA

Naked product size	3.3 x 14.5 x 19.8cm
Naked product weight	0.75kg

DOCUMENTED USE SETTINGS

Oil Refining and Natural Gas Production: Petroleum Refining and Processing.

Chemical Manufacturing and Petrochemical Production: Industrial Chemical Manufacturing.

Electric Power Generation and Energy Production: Thermal Power Generation.

SYSTEM COMPATIBILITY

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PRODUCT EVIDENCE

Yokogawa GS33K50E30-50E applicable AFV10 field-control specification, original page mirrored by Apter; FCU-level values explicitly labelled.