AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7288-1ST30-0AA1

CPU ST30 Transistor Controller

DEVICE	ONBOARD I/O	PROGRAM	SUPPLY
CPU ST30	**18 DI / 12 DO**	**18 KB**	**20.4-28.8 V DC**

Siemens 6ES7288-1ST30-0AA1 CPU ST30 combines eighteen digital inputs with twelve sourcing transistor outputs. The DC-powered controller provides 18 KB of program memory and three designated pulse-output resources, with Ethernet, RS485 and modular expansion supporting its standard S7-200 SMART architecture.

01 VERIFIED TECHNICAL INFORMATION

CPU supply range	20.4 to 28.8 V DC
Onboard digital inputs	18, nominal 24 V DC
Onboard digital outputs	12
Output technology	Sourcing MOSFET transistor
Program memory	18 KB
Ethernet interface	1, 10/100 Mbit/s
Serial interface	1 x RS485

Manufacturer evidence: S7-200 SMART System Manual; exact-model manual section.

02 TECHNICAL INFORMATION CONTINUED

Expansion modules	6 maximum
Signal-board expansion	1 maximum
Sensor-power output	24 V DC, 300 mA maximum
Output current per point	0.5 A maximum; observe common-group and load-type limits
Expansion-bus supply	5 V DC, 1400 mA maximum
Pulse outputs	3 designated channels, up to 100 kHz

03 SOURCE AND CONFIGURATION CHECKS

Built-in Ethernet and RS485 interfaces support network and serial communication within the configured project. Standard expansion accepts six modules and one signal board; their configuration and separate power demands remain part of the station design, rather than being determined by onboard I/O totals alone.

Packed dimensions and supplied-unit origin must be checked against the actual delivery. No verified gross shipping weight is inferred from module net mass.

Siemens original documentation and product reference

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