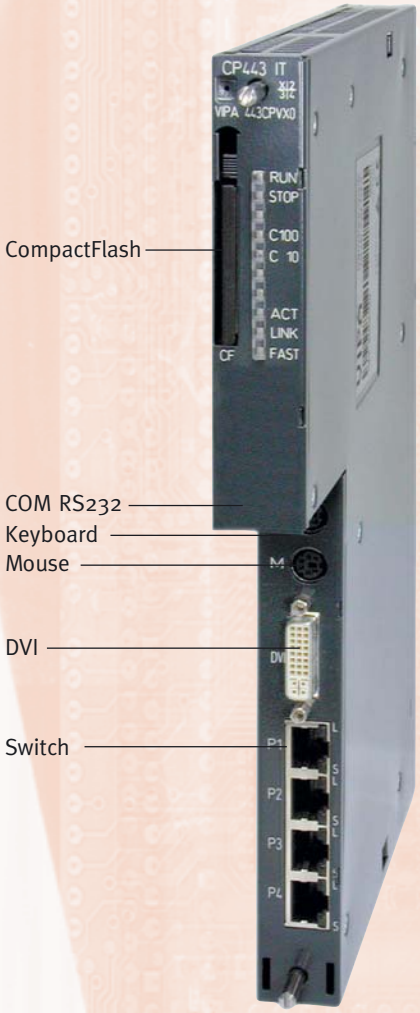
VIPA art of automation

Communication processor CP 443 for the S7-400 from Siemens

The communication processor CP 443 is a powerful link-up for the efficient data exchange between automation systems, PLC and HMI res. between several automation systems.

The intelligent module includes a switch with four RJ45 jacks (10/100MBit/s) for the direct coupling of several systems via Ethernet. Here the CP 443 supports the protocols UDP, TCP and ISO on TCP (RFC1006). The communication rate speeds up with an additional parallel communication interface and the bus load is reduced with event triggered communication (IPC). The recent operating state is monitored via LEDs.



The CP 443 supports a security mechanism that allows to configure an access protection individually for CPU and CP to realize access rights of the participants (IP addresses).

The comfortable commissioning takes place via the VIPA software WinNCS that is included in the consignment. For remote access, diagnosis of the PLC-CPU via TCP/IP and for link-up to visualization systems, the CP 443 provides PU functionality.

CP 443: Characteristics

- Instruction set compatible to the S7-400 from Siemens via VIPA handling blocks
- 10/100MBit/s switch with four RJ45 jacks
- Access protection via free definable security list
- Parameterization with WinNCS (included in consignment)
- Protection type IP20
- Fanless operation

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Communication processor CP 443 for the S7-400 from Siemens

Supply voltage int. bus	DC 5V
Current consumption of DC 5V	max. 2A
Dissipation power	7W
Interfaces	
Parameterization	COM RS232
Monitor	DVI
Keyboard	Mini-DIN
Mouse	Mini-DIN
Ethernet-TCP/IP	4xRJ45 10/100MBit/s
EMV/Burst/ESD	IEC 61000-4-2/IEC 61000-4-4 to level 3
Vibration/Shock resistance	IEC 60068-2-6/IEC 60068-2-27 (1G/12G)
Operating temperature	0...+60°C
Storage temperature	-40...+70°C
Relative humidity	5...95% without condensation
Protection type	IP20
Dimensions	for S7-400 from Siemens: 25x290x210mm
Weight	ca.750g



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