

SIEMENS S7-1200 PLC'S – REPLACING THE S7-200

Whilst S7-200 PLC's remain an active product, Siemens are encouraging users to start upgrading to their S7-1200 range as the ideal replacement



Why make the switch?

Why make the change to the SIMATIC S7-1200 Controller range and the TIA Portal engineering as early as possible?

- Save up to 30% on development time by using global libraries, modular code structure and intelligent drag & drop
- Save time during start up thanks to the concept of cross references and the integrated projects
- Reduce downtime by up to 60% - integrated system diagnostics focusing you on a modern system architecture

Siemens S7-1200 - key features at a glance

Configured with the STEP 7 Basic engineering software in the TIA Portal* (*TIA = totally integrated automation)	users have access to a standardised, comprehensive engineering tool for logic operations, HMI and networking with one shared editor	FIND OUT MORE!
Integrated diagnostic functionality	offers a diagnostic functionality integrated in the system without further programming. A uniform display concept makes it possible to visualize error messages identically as plain text information in the TIA Portal, on the HMI and on the web server	FIND OUT MORE!
integrated PROFINET / Ethernet port	no additional proprietary programming cables or expansion module required, helping you save on space	FIND OUT MORE!
Modular board concept	a signal board on the front of the CPU allows digital and analog IOs to be added simply without having to change the physical size of the controller	FIND OUT MORE!

Removable Connectors	Thanks to the interchangeability of the connectors on the upper side of the CPU, digital and analog IOs can be exchanged from one CPU to another one, without recabling	FIND OUT MORE!
Scalable and Flexible Applications	Scalability and flexibility of the application are achieved through the integrated PROFINET interface for the programming, HMI connections, distributed peripherals and distributed drives. CPU-to-CPU as well as master-slave architectures can also be implemented rapidly and simply through I-Device. PROFIBUS, Modbus RTU/TCP, CANopen and TCP/IP are available for the open communication. Remote stations can also be connected through the GPRS module	FIND OUT MORE!
Integrated web server	Allows access to system and process messages as well as system diagnostics of all configured modules. Users can create their own websites for control and diagnostic purposes	FIND OUT MORE!
PID control	offers integrated compact controllers for manifold control-specific tasks: Universally deployable PID controllers for actuators with continuous or pulse-width modulated actuating signals, step controllers and a special temperature controller for active heating and cooling of a process	FIND OUT MORE!
Motion control functions	positioning functionality for controlled and position-controlled axes. Allows stepper motor drives, frequency converters or servo drives to be operated via the integrated pulse interfaces, analog outputs or PROFINET / PROFIBUS	FIND OUT MORE!

SPECIFICATIONS AT A GLANCE:

When moving over to a S7-1200 CPU, these are some of the key technical specifications you will need to be aware of:

- Minimum operating temperature: -20°C
- Maximum operating temperature: 60°C
- Voltage category: 20.4 – 28.8 V dc (nominal 24 V dc) or 85 – 264 V ac (nominal 115 or 230 V ac) depending on version used
- Input type: Analogue, Digital
- Output type: Relay or Transistor
- Network type: Ethernet
- Communication Port Type: Ethernet, Profinet, UDP
- Programming Interface: Profinet
- Maximum Inputs/Outputs: 14/10
- Mounting: Wall/DIN Rail
- Programming Language Used: FBD, LAD, SCL

ADDITIONAL RESOURCES

Need more detail to upgrade to S7-1200?

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More benefits of upgrading **CLICK HERE**



Detailed upgrade instructions

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See the full S7-1200 offer available from RS

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