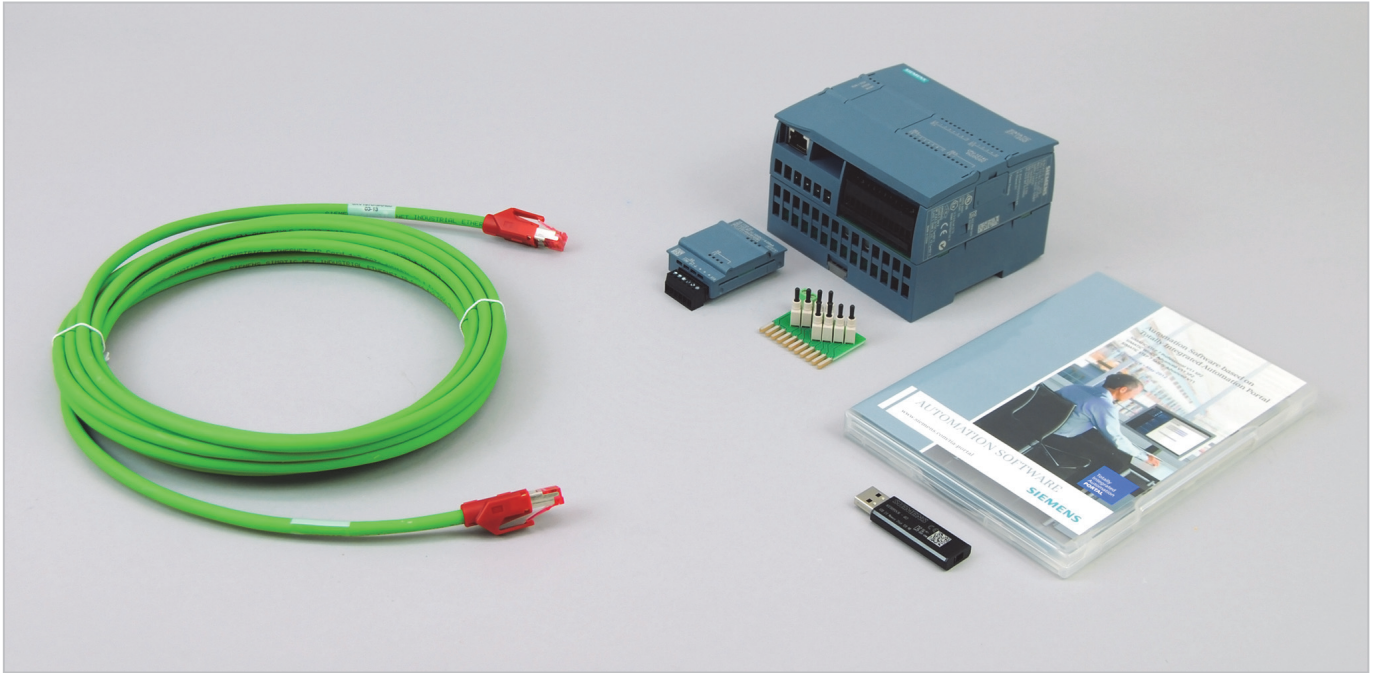


## LJ Create – Product Information Sheet

### Siemens S7-1200 + STEP 7 + Lessons PLC Pack



This pack includes a Siemens S7-1200 PLC controller, the Siemens SIMATIC Step 7 programming software, and a set of lessons.

Students explore the construction and function of programmable logic controllers and then work through a series of design challenges to develop their ladder logic programming skills.

These skills are then expanded further and applied in practical tasks carried out using an industrial standard Siemens S7-1200 PLC and the Siemens Simatic Step 7 programming software.

This PLC pack can be used in conjunction with:

- 290-01 Industrial Control Trainer
- 291-01 PLC Trainer
- 292-01 PETRA Advanced Industrial Control Trainer

#### Topic Areas Include:

- Exploring the Siemens SIMATIC Step 7 programming suite
- Connecting to a remote Siemens PLC using Step 7
- Creating projects and developing ladder logic programs using Step 7
- Uploading and running control programs on a remote Siemens PLC
- Debugging programs on a remote Siemens PLC, including Watch and Force tables
- Using a Siemens PLC to perform advanced control tasks
- Using counters, timers and flip-flop latches
- Using analog inputs and outputs in ladder logic programs to control speed and direction of a DC motor
- Creating a program that automatically sorts parts
- Troubleshooting an industrial control system

#### Items Included:

- 1 x Siemens S7-1200 PLC
- 1 x Analog Output Module
- 1 x Step 7 Software Installation and license key
- 1 x Ethernet Communication Lead
- 1 x Lesson Pack

#### Other Requirements:

- Windows computer
- Industrial Control Trainer (290-01), PLC Trainer (291-01), or PETRA Advanced Industrial Control Trainer (292-01)

#### General Information:

Dimensions: 350 x 270 x 90 mm (W, D, H)  
Supply Voltage: 50-60Hz  
110-240V AC  
Packed Volume: Approx. 0.01 m<sup>3</sup>  
Packed Weight: Approx. 1.31 kg

**Order Code: 290-02/SI**

P9060-D

For more information visit [www.ljcreate.com](http://www.ljcreate.com)