Claus Niedermann, important investment today. Block libraries are our most
in future on the S7-1500. Block libraries – a secure investment
them for larger projects on the SIMATIC S7-300/400, or
that I created for the SIMATIC S7-1200, and also use
“I can take program blocks for technological functions

SIMATIC S7-1200 Basic Controllers are the ideal choice for simple and autonomous tasks in the low to mid
performance ranges. These compact devices are characterized by high space and cost savings, innovative
concepts and high-quality standard technology. So you can concentrate on your project with the necessary
scalability and flexibility.

SIMATIC S7-1200 controllers offer the following:
- High flexibility and modular design: the controllers support the SIMATIC S7-1200 and are
  scalable to additional I/O modules
- Integrated technology: the controllers integrate various additional measuring, weighing and counting
  functions
- Safety Integrated: Failsafe CPUs can execute both standard and
  safety-related programs
- Engineering in the TIA Portal: the SIMATIC S7-1200 series, ensuring uniform sequences and thus maximum
  cost-efficiency for any individual application. For more
  information, visit www.siemens.com/tia-portal
- Diagnostics messages are displayed in plain text
- Comprehensive access, copy and manipulation
- System performance
- SCALANCE security

Jürgen Schäfer, HSE

“SIMATIC S7-1200 controllers are the ideal choice for smaller tasks in the low to mid
performance ranges. High flexibility and modular design are the key features of these
controllers. The design concept makes it easy to extend the controllers with additional
modules, so you can easily adapt them to your specific requirements. The
controllers also offer a wide range of technological functions, which
make them ideal for simple and autonomous tasks.”

SIMATIC S7-1200 Basic Controllers, Basic Panels and TIA Portal
The difference is in the combination

In addition, the event-based and touch-based operation of the TIA Portal and integrated system diagnostics also
significantly reduce engineering time and engineering overhead and your engineering time.

As a result, you can concentrate on your project with the necessary
scalability and flexibility. The SIMATIC S7-1200 series, ensuring uniform sequences and thus maximum
cost-efficiency for any individual application. For more
information, visit www.siemens.com/tia-portal

Follow us on:
- twitter.com/siemensindustry
- youtube.com/siemens

Find out more: www.siemens.com/tia-portal
### Central processing units

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6GK7 243-5DX30-0XE0</td>
<td>DP master</td>
</tr>
<tr>
<td>6GK7 242-5DX30-0XE0</td>
<td>CM 1242-5 PROFIBUS DP slave</td>
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### Communication modules

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
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<tbody>
<tr>
<td>3RK7 243-2AA30-0XB0</td>
<td>CM 1241 RS422/485</td>
</tr>
<tr>
<td>6ES7 241-1AH32-0XB0</td>
<td>AC / DC / RLY</td>
</tr>
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</table>

### Signal modules

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<th>Part No.</th>
<th>Description</th>
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<tbody>
<tr>
<td>6ES7 212-1HE40-0XB0</td>
<td>AC / DC / RLY</td>
</tr>
<tr>
<td>6ES7 212-1BE40-0XB0</td>
<td>DC / DC / RLY</td>
</tr>
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</table>

### Engineering framework

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<th>Description</th>
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<tbody>
<tr>
<td>6ES7 278-4BD32-0XB0</td>
<td>SM 1278 IO-Link master</td>
</tr>
<tr>
<td>6ES7 297-0AX30-0XA0</td>
<td>Battery board (long-term backup of the real-time clock (RTC))</td>
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### Accessories

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<th>Description</th>
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<tr>
<td>6ES7 822-1AA03-0YA5</td>
<td>Floating license</td>
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<tr>
<td>6ES7 226-6DA32-0XB0</td>
<td>SIMATIC STEP 7 Basic V13</td>
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### Signal simulators

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
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<tbody>
<tr>
<td>7MH4 960-4AA01</td>
<td>WP 241 SIWAREX</td>
</tr>
<tr>
<td>7MH4 960-2AA01</td>
<td>SIWAREX weigh beams WP 231 SIWAREX</td>
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</tbody>
</table>

### Sunscreening

- KP300 Basic mono PN
- KTP700 Basic
- KTP400 Basic

### Identification

- SIMATIC RF300
- SIMATIC RF600

### More product information available at

- www.siemens.com/siplus-extreme
- www.siemens.com/rf600