Easy installation
Plug-and-play installation of the controller modules in the C-885 PIMotionMaster. The processor and interface module communicates with the PIMikroMove software and with the controller modules. It detects the available controller module type automatically. Grouping the controller modules in one housing ensures internal communication and reduces the wiring effort because of the common power adapter and external communication via a single USB or Ethernet interface.

Easy to expand
The system is easily scalable. An additional controller module can be inserted into any free slot and expands the overall system by the corresponding functions. Optional digital inputs and outputs can be installed for every controller module.

Controller modules
C-863.20C885 - Motion controller module for DC motors
C-867.10C885 - Motion controller module for PILine® piezo motor systems of the performance class 1 and 2
E-861.11C885 - Motion controller module for systems with NEXACT® piezo motor
E-873.10C885 - Motion controller module for systems with Q-Motion® inertia drive
C-663.12C885 - Motion controller module for Mercury Step stepper motors
C-891.11C885 - Motion controller module for PIMag® magnetic direct drives

C-885
- Easy configuration and startup
- Modular design for versatile expansion
- Efficient communication with the controller modules
- Greatly reduced wiring effort
- Saves space and costs
Specifications

<table>
<thead>
<tr>
<th></th>
<th>C-885.R1</th>
<th>C-885.R2</th>
<th>C-885.R3</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Function</strong></td>
<td>9.5&quot; chassis for C-885</td>
<td>19&quot; chassis for C-885</td>
<td>19&quot; chassis for C-885</td>
</tr>
<tr>
<td></td>
<td>PIMotionMaster</td>
<td>PIMotionMaster</td>
<td>PIMotionMaster</td>
</tr>
<tr>
<td><strong>Number of card slots</strong></td>
<td>1 C-885.Mx module (required)</td>
<td>1 C-885.Mx module (required)</td>
<td>1 C-885.Mx module (required)</td>
</tr>
<tr>
<td></td>
<td>4 controller modules (max.)</td>
<td>20 controller modules (max.)</td>
<td>19 controller modules (max.)</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>269.04 mm × 133.14 mm × 349.5 mm (incl. handles)</td>
<td>482.6 mm × 132.55 mm × 265.3 mm</td>
<td>482.6 mm × 132.55 mm × 265.3 mm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Without modules:</td>
<td>Without modules:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>482.6 mm × 132.55 mm × 278.55 mm</td>
<td>482.6 mm × 132.55 mm × 278.55 mm</td>
</tr>
<tr>
<td><strong>Operating voltage</strong></td>
<td>24 V DC from external power adapter</td>
<td>24 V DC from external power adapter</td>
<td>24 V DC / 48 V DC</td>
</tr>
<tr>
<td><strong>Supply voltage for controller modules</strong></td>
<td>24 V DC</td>
<td>24 V DC</td>
<td>24 V DC / 48 V DC</td>
</tr>
<tr>
<td><strong>Current consumption, max.</strong></td>
<td>32 A</td>
<td>32 A</td>
<td>32 A</td>
</tr>
<tr>
<td><strong>Mass without modules</strong></td>
<td>3.2 kg</td>
<td>2.9 kg</td>
<td>5.08 kg</td>
</tr>
<tr>
<td><strong>Operating temperature range</strong></td>
<td>10 to 40 °C</td>
<td>10 to 40 °C</td>
<td>10 to 40 °C</td>
</tr>
</tbody>
</table>

**C-885.M1**

- **Function**: Digital processor and interface module for C-885 PIMotionMaster
- **Communication interfaces**: Ethernet, USB
- **Command set**: PI General Command Set (GCS)
- **User software**: PIMikroMove
- **Application programming interfaces**: API for C / C++ / C# / VB.NET / MATLAB / Python, drivers for NI LabVIEW
- **Indicators**: LEDs for Power, Error
- **Operating temperature range**: 10 to 40°C
- **Mass**: 132 g
- **Dimensions**: 186.42 mm × 128.4 mm (3 RU) × 19.98 mm (4 HP)

Ask about customized versions.

Ordering Information

**C-885.M1**
Digital processor and interface module for PIMotionMaster, with TCP/IP and USB interface

**C-885.R1**
9.5" rack for PIMotionMaster, supplies up to 4 controller modules with 24 V operating voltage

**C-885.R2**
19" rack for PIMotionMaster, supplies up to 20 controller modules with 24 V operating voltage

**C-885.R3**
19" rack for PIMotionMaster, supplies up to 19 controller modules with 24 V / 48 V operating voltage, preconfigured for 24 V operation of all modules

**C-885.ID**
Digital interface module for PIMotionMaster

**Accessories**

**C-885.PS**
Wide input range power supply for PIMotionMaster, 24 V DC, 10 A
C-885.AP1
Cover plate for PI Motion Master, 3 RU, 4 HP

C-885.AP2
Cover plate for PI Motion Master, 3 RU, 8 HP

C-885.AP4
Cover plate for PI Motion Master, 3 RU, 16 HP

C-885.AP8
Cover plate for PI Motion Master, 3 RU, 32 HP