NEW
UHF RFID System
V780 Slave Reader/Writer

Expand communication range
Cost-effective reader/writer

More reasonably priced than existing standard reader/writers, the new slave reader/writer reduces the cost of creating a system with the Multi-Reader/Writer function that expands the communication range.

PATENT PENDING/PATENTED*1
Connect up to 8 reader/writers to expand range
Multi-Reader/Writer function*2

One reader/writer is set as a master, and others are set as slaves. When the host device sends commands to the master reader/writer, the reader/writers work like one reader/writer that has a wide communication range.

Applications

Detection of passing pallets

When simultaneously inspecting all stacked pallets passing through a portal, install the reader/writers on both the left and right sides of theportal to read an RF tag placed on either the left or right side of each pallet.

Location of vehicles

It takes time to locate a defective vehicle outside the assembly line or a finished vehicle ready for shipment by using the on-board paper. Place an RF tag on the dashboard of each vehicle and install reader/writers on the vehicle waiting space to read the tags, which reduces the time to locate vehicles.

* Conceptual illustration

*1: PATENT PENDING/PATENTED means that the patent was applied for or the patent was granted. (As of August 2019) *2: Version 3 or later provides this function.
**Ordering Information**

**Reader/Writers**

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Dimensions (mm)</th>
<th>Network</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard Reader/Writers</td>
<td>250x250x70</td>
<td>Modbus/TCP base TCP/IP</td>
<td>V780-HMD68-ETN-□□&quot;*1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Enternet/IP</td>
<td>V780-HMD68-EIP-□□&quot;*1</td>
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**NEW Slave Reader/Writers**

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<tr>
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<td>250x250x70</td>
<td>V780-HMD68-ETN-□□&quot;-S</td>
<td></td>
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</table>

*1. Select the model for the country in which the Reader/Writers will be used. Contact your Omron representative for details on products for other countries.

*2. Communicates via the master reader/writer (V780-HMD68-E□□-□□).

**System Configuration** *(When connecting slave reader/writers to use the Multi-Reader/Writer function)*

**Master**

- Standard Reader/Writers
  - V780-HMD68-ETN-□□
  - V780-HMD68-EIP-□□

RF Tag*:

- V780-A-JIME-Z3BLI-10*6

**Slave** *(Up to 7 reader/writers)*

- Slave Reader/Writers
  - V780-HMD68-ETN-□□-S*7

- Power supply DC24V
- Power cable X56F-D42□-□□-80-F (recommended)
- Industrial switching hub WA1□□□□ (recommended)

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*3. The maximum extension length of the Ethernet cable is 100 m.
*4. The maximum extension length of the power cable is 60 m.
*5. The RF tags that conform to ISO/IEC 18000-63 (ISO/IEC 18000-6 Type C) can be used.
*6. Contains 10 RF tags per package.
*7. The slave reader/writer communicates via the standard reader/writer set as the master.

Although the PLC or other host device cannot control the slaves, the Web Server function (browser interface) can be used. V780-HMD68-ETN□□ or V780-HMD68-EIP□□ can also be used as a slave.

Use the same network type as the master reader/writer.
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**New**

RF tags conforming to ISO/IEC 18000-63 are available

In addition to V780 RF Tags, the RF tags that conform to ISO/IEC 18000-63 (ISO/IEC 18000-6 Type C) can be used.

Contact your Omron representative for details.

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- The product photographs and figures that are used in this catalog may vary somewhat from the actual products.

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