# I-3591 Quick Start

**v1.0, Dec 2021**

## Packing List

In addition to this guide, the package includes the following items:



I-3591



Screw driver

## Technical Support

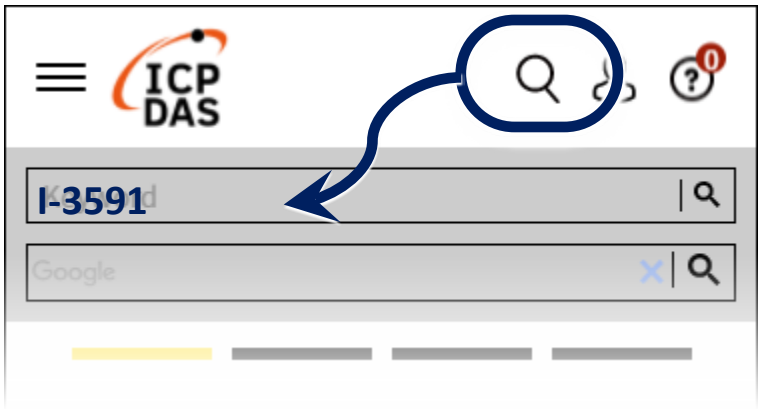
service@icpdas.com

www.icpdas.com

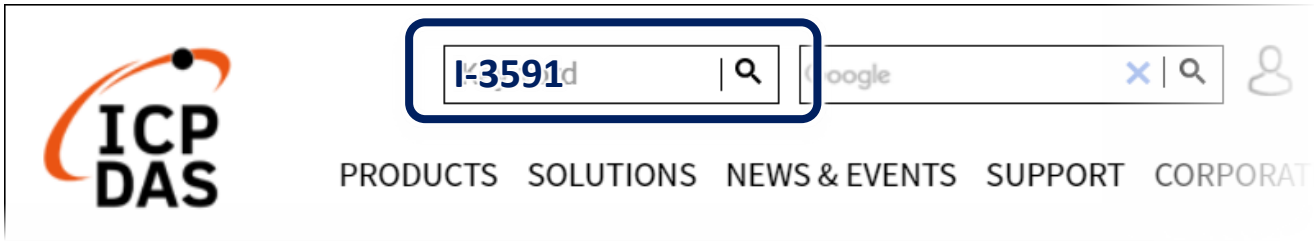
## Resources

How to search for drivers, manuals and spec information on ICP DAS website.

- For Mobile Web



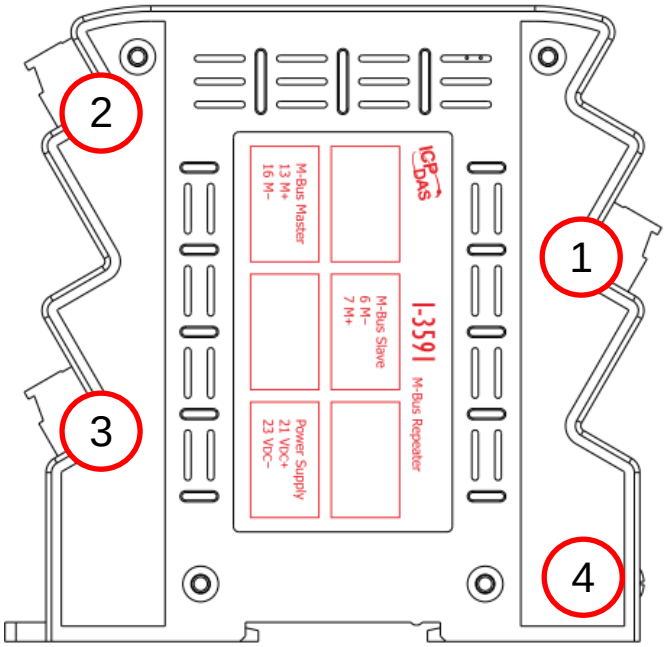

- For Desktop Web





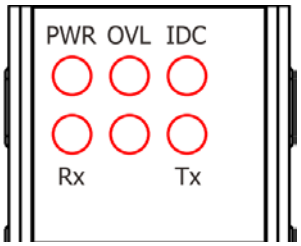

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# 1. Appearance




| No | Description |
|---|---|
| 1 | M-Bus Slave, connect to master side |
| 2 | M-Bus Master, connect to meter side |
| 3 | Power connector, +10 ~ +30 VDC |
| 4 | F.G., frame ground |

# 2. LED Indicators

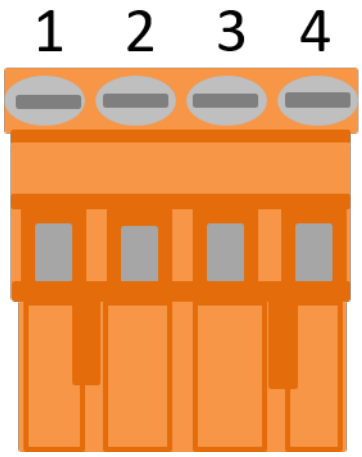



| LED | Color | State | Description |
|---|---|---|---|
| PWR | Red | ON | Power on |
| | | OFF | Power off |
| OVL | Green | ON | M-Bus overload |
| | | OFF | Normal |
| IDC | Green | ON | Meter ID conflict |
| | | OFF | Normal |
| Rx | Green | Flash | In communication |
| | | OFF | No meter data received |
| Tx | Green | Flash | In communication |
| | | OFF | No meter data transmitted |



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# 3. Pin assignments




**Connector: M-Bus Slave**

| Pin | No | Name | Description |
|---|---|---|---|
| 1 | 5 | -- | Reserves. |
| 2 | 6 | M- | M-Bus slave connector, M-Bus negative. |
| 3 | 7 | M+ | M-Bus slave connector, M-Bus positive. |
| 4 | 8 | -- | Reserves. |

**Connector: M-Bus Master**

| Pin | No | Name | Description |
|---|---|---|---|
| 1 | 13 | M+ | M-Bus master connector, M-Bus positive. |
| 2 | 14 | -- | Reserves. |
| 3 | 15 | -- | Reserves. |
| 4 | 16 | M- | M-Bus master connector, M-Bus negative. |

**Connector: Power Supply**

| Pin | No | Name | Description |
|---|---|---|---|
| 1 | 21 | $V_{DC}$+ | DC positive terminal contact. |
| 2 | 22 | -- | Reserves. |
| 3 | 23 | $V_{DC}$- | DC negative terminal contact |
| 4 | 24 | -- | Reserves. |



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# 4. Wire connection

