



## UNITRONICS MJ20-ET1 Ethernet Add On Module User Guide

[Home](#) » [UNITRONICS](#) » UNITRONICS MJ20-ET1 Ethernet Add On Module User Guide 

### Contents

- [1 UNITRONICS MJ20-ET1 Ethernet Add On Module](#)
- [2 Package content](#)
- [3 Installation and Removal](#)
  - [3.1 Wiring](#)
- [4 Documents / Resources](#)
- [5 Related Posts](#)



### UNITRONICS MJ20-ET1 Ethernet Add On Module



- Before using this product, the user must read and understand this document.
- All examples and diagrams are intended to aid understanding, and do not guarantee operation. Unitronics

accepts no responsibility for actual use of this product based on these examples.

- Please dispose of this product according to local and national standards and regulations.
- Only qualified service personnel should open this device or carry out repairs.
- Failure to comply with appropriate safety guidelines can cause severe injury or property damage.
- Do not attempt to use this device with parameters that exceed permissible levels.

### Environmental Considerations

Do not install in areas with: excessive or conductive dust, corrosive or flammable gas, moisture or rain, excessive heat, regular impact shocks or excessive vibration.

- Do not place in water or let water leak onto the unit.
- Do not allow debris to fall inside the unit during installation.

### Package content

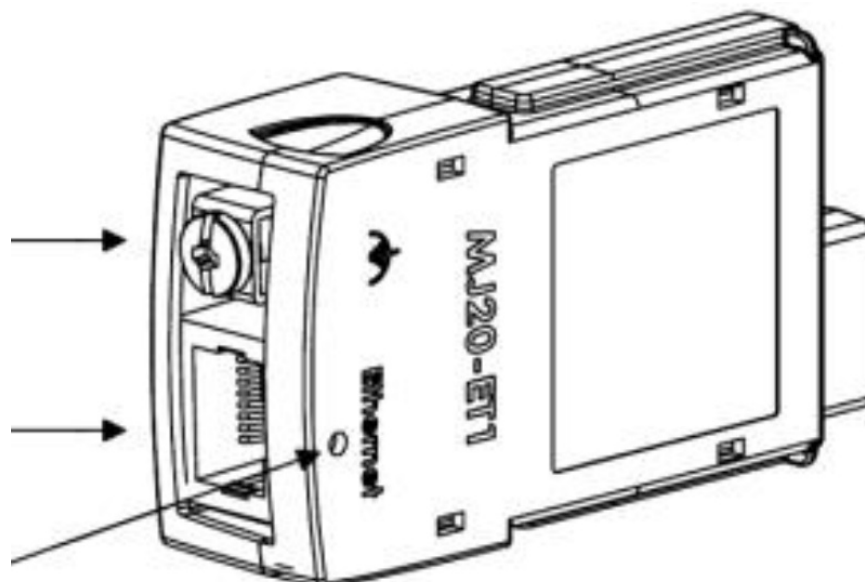
- MJ20-ET1-Ethernet Add-On Module.

### About the MJ20-ET1 Add-on Module

The MJ20-ET1 Add-on Module enables Jazz OPLC™ Ethernet communications, including program download. The module comprises:

- An Ethernet port with auto crossover.
- Functional Earth Terminal, Screw to Earth Ground.
- Link/Active indication LED:

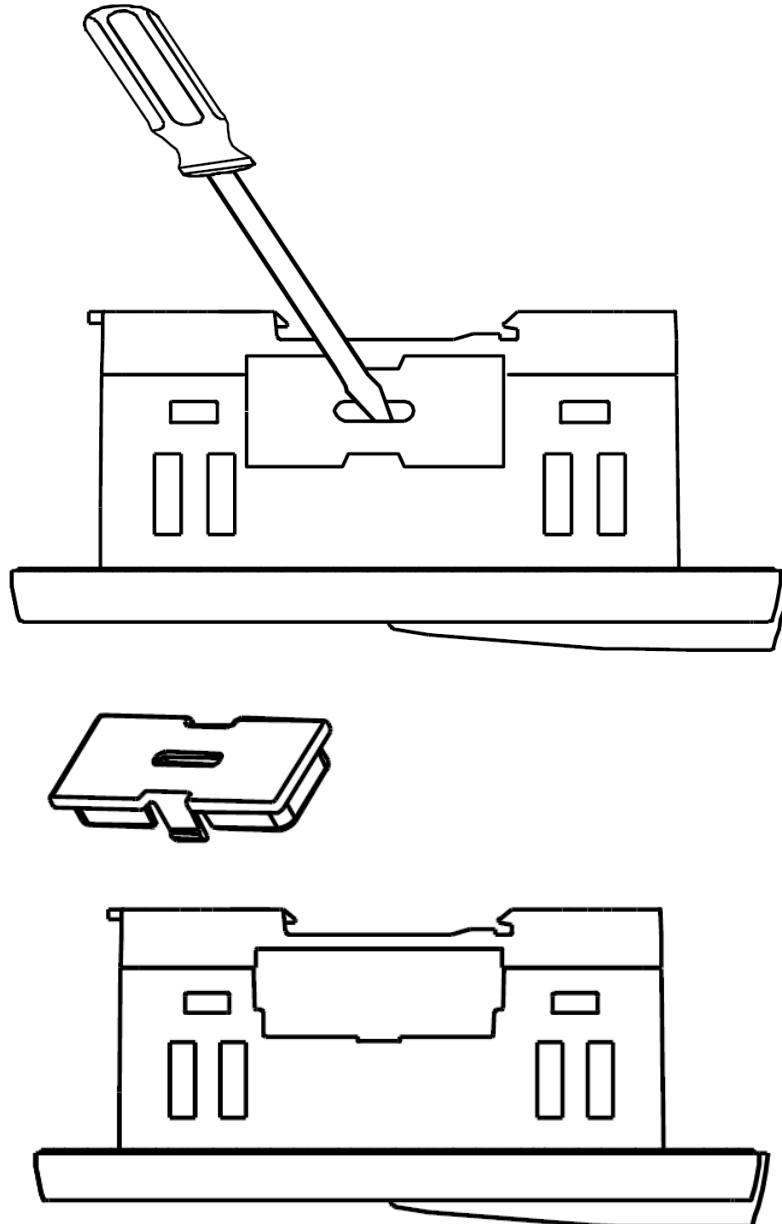
LED State	Ethernet Connection (Link)	Data Traffic (Active)
ON	Yes	No
Blinking	Yes	Yes
OFF	No	No

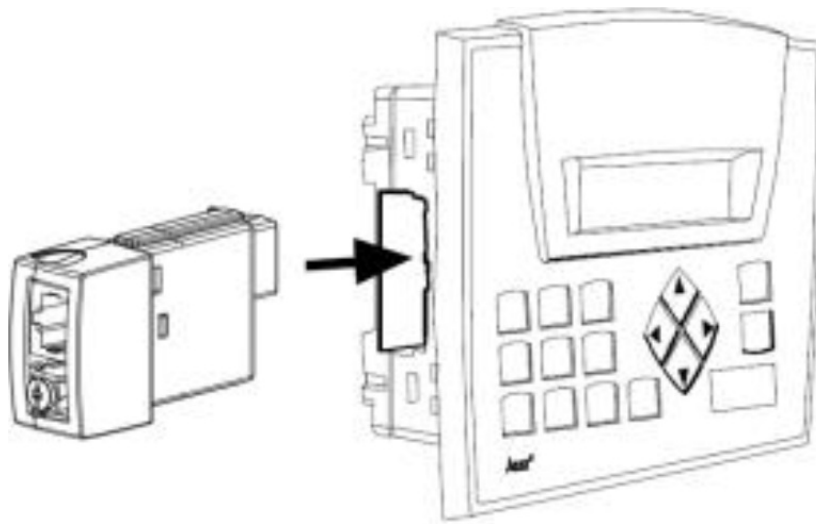


- Functional Earth Terminal
- Ethernet Connector
- Green LED

## Installation and Removal

1. Remove the cover from the Jazz jack as shown in the first two figures below.
2. Position the Add-On Module so that the port's pin receptacles are aligned with the pins in the Jazz jack, as shown in the third figure below.
3. Gently slide the Add-On Module into the jack.
4. To remove the port, slide it out, and place back the cover of the Jazz jack.





## Wiring

- Do not touch live wires.
- Unused pins should not be connected. Ignoring this directive may damage the device.
- Double-check all wiring before turning on the power supply

## Ethernet Wiring—General

- Use standard Ethernet shielded cable.

## Earthing the MJ20-ET1

To maximize system performance, avoid electromagnetic interference as follows:


- Connect the functional earth terminal ( ) directly to the earth ground of the system.
- Use the shortest, less than 1m (3.3 ft.) and thickest, 2.08mm<sup>2</sup> (14AWG) min, wires possible.

MJ20-ET1 Technical Specifications	
Port type	10/100 Base-T (RJ45)
Cable type	Shielded CAT5e cable, up to 100m (328 ft)
Auto crossover	Yes
Auto negotiation	Yes
Galvanic isolation	Yes
Weight	15g (0.53 oz)

Environmental	
Ingress protection	IP 20, NEMA 1
Operational temperature	0°C to 50°C (32°F to 122°F)
Storage temperature	-20°C to 60°C (-4°F to 140°F)
Relative Humidity (RH)	5% to 95% (non-condensing)

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Documents / Resources

	<a href="#">UNITRONICS MJ20-ET1 Ethernet Add On Module [pdf] User Guide</a> MJ20-ET1, Ethernet Add On Module, MJ20-ET1 Ethernet Add On Module
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