


MJ20-ET1


Add-on Module User Guide Jazz® Ethernet Communication Port


- 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.

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- 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

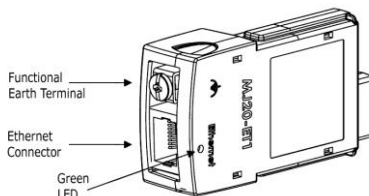
MJ20-ET1-Ethernet Add-On Module.

About the MJ20-ET1 Add-on Module

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

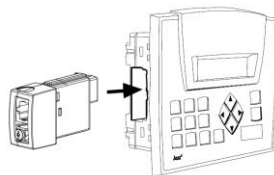
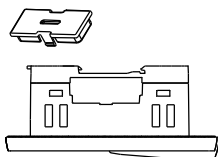
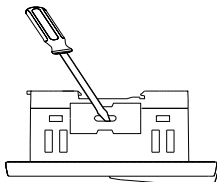
- An Ethernet port with auto crossover.
- Functional Earth Terminal, Screw to Earth Ground.
- Link/Active indication LED:

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



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, 2.08mm² (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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UG_MJ20_ET1 -B2 07/22