

EMERSON OVATION

1C31181G02

four-channel 850 nm media-attachment personality module

Product identity and technical data

Manufacturer	Emerson
Part number	1C31181G02
Product family	Ovation Remote I/O
Product type	Media Attachment Unit personality module
Companion electronics module	1C31179G02
Optical channels	4
Optical wavelength	850 nm
Maximum documented link length	2 km (6560 ft)
System role	Controller-cabinet connection point for fiber links to remote nodes
Media requirement	Use the same documented optics type across interconnected remote nodes

Product summary

Emerson 1C31181G02 is the four-channel 850 nm personality module for an Ovation Media Attachment Unit assembled with 1C31179G02 electronics.

The Media Attachment Unit is located in the controller cabinet and provides the fiber connection point between the PCRR and as many as four remote nodes.

Before installation, verify both module identifiers, optical wavelength, link length, fiber routing and consistent optics across the connected remote-node path.

Configuration and selection checks

Optics

- The personality module provides four optical channels.
- The documented optical wavelength is 850 nm.
- The documented maximum link length is 2 km (6560 ft).

Topology

- The Media Attachment Unit is installed in the controller cabinet.
- It connects the PCRR fiber path to as many as four remote nodes.
- Messages are directed to one remote node at a time through the assembled unit.

Pairing

- Use 1C31181G02 with the documented 1C31179G02 electronics module.
- The personality module translates between the electronics module and the fiber medium.
- All remote nodes on the linked path must use the documented compatible optics type.