

EMERSON OVATION

5X00241G01

Ovation OCR400 processor module

Product identity and technical data

Manufacturer	Emerson
Part number	5X00241G01
Product family	Ovation OCR400
Product type	Processor module
Controller platform	OCR400
Processor	Intel Celeron, 400 MHz
Operating system	VxWorks
Flash memory	64 MB
DRAM	64 MB, expandable to 128 MB

Product summary

Emerson 5X00241G01 is an OCR400 processor-module catalog option documented for the Ovation distributed control platform.

The processor module communicates with the Ovation network and works with the separate OCR400 IOIC module inside a redundant controller architecture.

Before replacement, verify the complete module label, installed OCR400 assembly, network connections, controller database and redundant-partner configuration.

Configuration and selection checks

Additional technical data

Process-point capacity	Up to 32,000 points
I/O capacity	Up to 4,778 I/O points
Control tasks	Five
Battery / PROM	Not required

Architecture

- The OCR400 design separates processor-module and IOIC-module functions.
- The processor module handles communications with the Ovation network.
- The OCR400 controller is documented for redundant, bumpless-failover operation.

Operation

- Five control tasks are available in the OCR400 controller architecture.
- Task rates include 100 ms and 1 s fixed tasks plus configurable tasks from 10 ms to 30 s.
- A watchdog function is used to supervise controller operation.

Integration

- The controller platform supports local Ovation I/O communication through its IOIC module.
- Documented third-party interfaces include Modbus, GE Genius and Allen-Bradley systems.
- The processor module includes status indication for Ovation-network communication.