OVATION OCR1100

Product Data Sheet

5X00481G01

Atom CPU controller module

PROCESSOR BASE CLOCK	CONTROLLER BUS	PROCESS POINT CAPACITY	SIMULTANEOUS CONTROL TASKS
1.1 GHz, OCR1100 family	**CompactPCI**	**Up to 32000, complete OCR1100**	**Up to 5, complete OCR1100**

Emerson 5X00481G01 is the Intel Atom CPU module for the Ovation OCR1100 controller. It forms the processing part of the controller assembly, executing configured control logic and working with the associated I/O interface and controller base rather than serving as a standalone field I/O card.

01 TECHNICAL DATA

Processor base clock	1.1 GHz, OCR1100 family
Controller bus	CompactPCI
Process point capacity	Up to 32000, complete OCR1100
Simultaneous control tasks	Up to 5, complete OCR1100
Ovation 3.7 task interval	10 ms to 300 s
Task interval increment	10 ms
Controller flash memory	1 Gb, OCR1100 family
Controller RAM	256 Mb, OCR1100 family
Controller network interfaces	4 x 10/100 Mbit/s, copper configuration
Sequence-of-events resolution	1 ms, supported I/O configuration

Emerson PWS_010199 5X00481G01 identity and PWS_002863 OCR1100 family data, pages 1, 2 and 6.

02 ADDITIONAL PRODUCT DATA

The OCR1100 family uses a CompactPCI bus, a 1.1 GHz processor and controller memory specified as 1 Gb flash with 256 Mb RAM. A complete controller supports up to 32000 originated points and five control tasks. With Ovation 3.7, task intervals can be selected from 10 ms to 300 s in 10 ms increments; these are controller-level capabilities, not additional hardware supplied with the CPU module.

03 PRODUCT FUNCTION

Install the Atom CPU module as part of the documented OCR1100 controller assembly with its associated interface card and base. The CPU module, controller base and I/O interface have distinct supply-scope roles; an individual 5X00481G01 does not constitute a populated controller station.

04 SYSTEM COMPATIBILITY

Use the applicable Ovation project and software release to configure the controller database and task scheduling. The OCR1100 supports up to five control tasks, with release-dependent scheduling rules; Ovation 3.7 provides user-selected 10 ms to 300 s intervals.

05 REFERENCE

Emerson PWS_010199 5X00481G01 identity and PWS_002863 OCR1100 family data, pages 1, 2 and 6.

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