

WESTINGHOUSE 5X00105G14

OCR161 Controller Module

WESTINGHOUSE 5X00105G14 is an Ovation OCR161 process-control module with a 266 MHz processor, 64 MB RAM and 128 MB CompactFlash configuration.

IDENTITY AND FUNCTION SNAPSHOT

H1 OCR161 process-control module	H2 266 MHz processor
H3 64 MB RAM	H4 128 MB CompactFlash

Installed-system position

1	Controller power and backplane
2	5X00105G14 processor
3	Control application image
4	Ovation network and I/O

Exact-model release boundary

Identity Keep WESTINGHOUSE 5X00105G14 complete in drawings, labels and acceptance records.	Evidence Use only the exact-model and explicitly applicable family facts documented here.
Configuration Record cables, jumpers, settings and the installed functional position before work.	Acceptance Prove the affected control path before returning the equipment to service.

02 / SYSTEM ROLE AND INTERFACES

Architecture, interfaces and service boundaries

In an installed OCR161 drop, WESTINGHOUSE 5X00105G14 executes control logic and retains the controller software image on CompactFlash. Replacement therefore requires both hardware identity and controlled software/configuration restoration.

CONTROL PATH

1	Controller power and backplane
2	5X00105G14 processor

3	Control application image
4	Ovation network and I/O

Interface architecture

Backplane boundary	Receives controller power and hardware interfaces
Memory boundary	Uses the G14 64 MB RAM and 128 MB CompactFlash arrangement
Control boundary	Executes the loaded OCR161 control application
System boundary	Communicates with Ovation network and I/O resources

Interface acceptance checks

1 Place the affected process in a safe state before handling WESTINGHOUSE 5X00105G14.	2 Confirm the complete G14 identity and record the installed OCR161 drop address.
3 Secure an approved controller image and configuration backup before removing the module.	4 Do not substitute G01 or G07 memory values for the G14 arrangement.

Engineering rule

A nearby WESTINGHOUSE family code does not establish interchangeability with 5X00105G14; use the physical nameplate and controlled site records.

ENGINEERING SUMMARY / MODEL-SPECIFIC CHECKPOINTS	
<ul style="list-style-type: none">Backplane boundary: Receives controller power and hardware interfaces	<ul style="list-style-type: none">Memory boundary: Uses the G14 64 MB RAM and 128 MB CompactFlash arrangement
<ul style="list-style-type: none">Control boundary: Executes the loaded OCR161 control application	<ul style="list-style-type: none">System boundary: Communicates with Ovation network and I/O resources

Engineering matrix and component map

Every populated row is a technical value supported by the reviewed exact-model record or an explicitly applicable WESTINGHOUSE family source.

Product type	Process-control card module
Controller family	OCR161
Processor clock	266 MHz
RAM	64 MB
CompactFlash	128 MB
Part number	5X00105G14

CHANGE CONTROL

Record Capture the full model, revision, slot, connectors and as-found condition.	Compare Match every populated technical row to the replacement and project record.
Protect Apply controlled isolation, stored-energy and ESD practices.	Prove Complete the product-specific functional and safe-state checks.

Source applicability

Evidence record	Applicable scope
Exact-model OCR161 maintenance records listing 5X00105G14 processor, RAM and CompactFlash configuration	Supports only the exact-model or explicitly applicable family facts used in this document.

Fault isolation and controlled return

1	Capture the fault, indicators and surrounding-system state
2	Verify exact identity, power boundary, cabling and installed position
3	Test WESTINGHOUSE 5X00105G14 against the approved service procedure
4	Correct the isolated cause and restore the recorded configuration
5	Commission the affected path and archive measured evidence

Eight product-specific precautions

1 Place the affected process in a safe state before handling WESTINGHOUSE 5X00105G14.	2 Confirm the complete G14 identity and record the installed OCR161 drop address.
3 Secure an approved controller image and configuration backup before removing the module.	4 Do not substitute G01 or G07 memory values for the G14 arrangement.
5 Use ESD controls and inspect the CompactFlash and board connectors before installation.	6 Restore the approved image to the 128 MB CompactFlash medium without changing project data.
7 Verify network, I/O and control-task status after the controller starts.	8 Return the drop to service only after redundancy, alarms and application outputs pass the site acceptance plan.

05 / ENGINEERING FAQ AND SUPPORT

Model-specific engineering decisions

Engineering decision	Controlled response
Which controller platform uses WESTINGHOUSE 5X00105G14?	It is an Ovation OCR161 process-control module.
What processor speed is associated with WESTINGHOUSE 5X00105G14?	The G14 controller configuration uses a 266 MHz processor.
How much RAM is assigned to WESTINGHOUSE 5X00105G14?	The exact G14 configuration uses 64 MB RAM.
Which CompactFlash capacity belongs to WESTINGHOUSE 5X00105G14?	The documented G14 storage capacity is 128 MB CompactFlash.
Why is an image backup required before replacing WESTINGHOUSE 5X00105G14?	The controller software and project configuration must be restored to the replacement CompactFlash hardware.
Can WESTINGHOUSE 5X00105G14 be treated as another 5X00105 group?	No. The G14 suffix identifies its processor-memory-storage arrangement and must remain matched.
Which checks follow startup of WESTINGHOUSE 5X00105G14?	Check controller diagnostics, Ovation network status, configured I/O communication and control-task execution.
What completes WESTINGHOUSE 5X00105G14 acceptance?	The restored controller must run the approved image with stable network, I/O, redundancy and application behavior.

Related Apter Power references

Related Apter Power references	Scope note
--------------------------------	------------

WESTINGHOUSE 1C31122G01	Portfolio reference only; verify compatibility independently.
WESTINGHOUSE 1C31125G02	Portfolio reference only; verify compatibility independently.
WESTINGHOUSE 1C31129G03	Portfolio reference only; verify compatibility independently.

	Apter Power technical support sales13@apterpower.com +86 180 3023 5313 www.apterpower.com	Model record WESTINGHOUSE 5X00105G14 OCR161 Controller Module Verify the complete nameplate before installation.
---	---	--

MODEL-SPECIFIC ACCEPTANCE MAP

1

Controller power and backplane

2

5X00105G14 processor

3

Control application image

4

Ovation network and I/O

VERIFIED DATA

Product type: Process-control card module

Controller family: OCR161

Processor clock: 266 MHz

RAM: 64 MB

CompactFlash: 128 MB

Part number: 5X00105G14

INTERFACE CHECKS

Backplane boundary: Receives controller power and hardware interfaces

Memory boundary: Uses the G14 64 MB RAM and 128 MB CompactFlash arrangement

Control boundary: Executes the loaded OCR161 control application

System boundary: Communicates with Ovation network and I/O resources

RELEASE CHECKLIST

1

Place the affected process in a safe state before handling WESTINGHOUSE 5X00105G14.

2

Confirm the complete G14 identity and record the installed OCR161 drop address.

3

Secure an approved controller image and configuration backup before removing the module.

4

Do not substitute G01 or G07 memory values for the G14 arrangement.

5

Use ESD controls and inspect the CompactFlash and board connectors before installation.

6

Restore the approved image to the 128 MB CompactFlash medium without changing project data.

7

Verify network, I/O and control-task status after the controller starts.

8

Return the drop to service only after redundancy, alarms and application outputs pass the site acceptance plan.

Apter Power | sales13@apterpower.com | +86 180 3023 5313
5X00105G14 | Technical Reference | 5