

OPERATION MANUAL

SG-CPM5-AUTO

TCP Automation Port Enablement License for SG-System 5

Brand / family: DSC / Sur-Gard - SG-System 5

Associated module: SG-CPM5

Type: Feature upgrade license

Document scope: This manual describes the purpose, operational use, and functional verification of the SG-CPM5-AUTO license based on the available documentation. The source confirms that the license unlocks TCP automation ports 2, 3, or 4, but does not publish the specific license loading/activation procedure. Therefore, undocumented activation steps are not included.

1. General Description

The **SG-CPM5-AUTO** is an upgrade license for the **SG-CPM5** central processing module used in the **SG-System 5** receiver. Its function is to enable additional TCP automation ports, expanding the receiver's connectivity options with central station automation servers or software.

Sur-Gard documentation specifically identifies TCP automation ports **2, 3, and 4** as the ports that can be unlocked by this license. Therefore, the documented maximum is **three additional TCP automation ports per SG-CPM5**.

2. Application

The license is intended for SG-System 5 installations that require more than one TCP automation output, for example to provide greater connection flexibility with automation servers, support redundancy schemes, or provide multiple automation destinations according to the system configuration.

Item	Description
Model	SG-CPM5-AUTO
System	SG-System 5
Module	SG-CPM5
Function	Unlocks additional TCP automation ports
Ports	TCP automation ports 2, 3, and/or 4
Maximum	3 additional TCP ports per CPM5
Expansion type	Software license; no physical hardware is added

3. Prerequisites

Before using the additional ports, the installation must have an operational SG-System 5 and an installed SG-CPM5 module. The license must have been applied to the CPM5 using the applicable authorized procedure. The available documentation does not define the license loading method or license-key format.

SG-System 5 supports configuration and administration through **SG-System Console** and also provides a local touchscreen interface. System documentation indicates that alarm signals can be forwarded to the central station computer through TCP/IP or RS-232.

4. Operation

Once an additional TCP port has been enabled, it becomes available as an automation output of the SG-CPM5. The central station automation software must establish and maintain the corresponding communication according to the SG-System 5 configuration and the receiving automation software.

The license does not change the basic alarm reception function of SG-System 5. Its purpose is to expand the TCP automation output options available on the CPM5.

5. Using the Enabled Ports

The SG-CPM5-AUTO license enables TCP automation ports **2, 3, and 4**. The number of ports used depends on the licensed functions available on the CPM5 and on the architecture defined for the central station.

For configurations using multiple automation destinations, SG-System 5 documentation describes support for multiple ports and automation output redundancy/flexibility. The exact priority, distribution, or switchover logic must be configured according to the SG-System 5 operating documentation and the installed SG-System Console version.

6. Operational Verification

After the license has been enabled through the authorized procedure, verify each newly available port before placing it into service.

1. Confirm that SG-System 5 and the SG-CPM5 are operating normally.
2. Confirm in system configuration that the intended additional TCP port is available.
3. Configure the automation software with the network parameters corresponding to the enabled port.
4. Establish communication between SG-System 5 and the automation server/software.
5. Generate a controlled test signal from an authorized test device or account.
6. Verify that the signal is correctly received by the configured automation destination.
7. Confirm that SG-System 5 does not indicate an automation trouble condition.

Important: The steps above are a general operational verification sequence. The available documentation does not specify network port numbers, IP addresses, credentials, or SG-CPM5-AUTO-specific activation parameters.

7. Supervision and Status

SG-System 5 provides SG-CPM5 status indicators, including an **automation** status indicator. The documentation also references SG-TCP automation trouble conditions. During commissioning, any automation trouble condition should be resolved before the port is considered operational.

8. SG-CPM5 Redundancy

SG-System 5 can use two SG-CPM5 modules in a redundant configuration. Under normal conditions, the primary CPM is active and the secondary CPM remains in standby. If the primary fails, the secondary can automatically switch to active mode. The documentation states that line cards continue receiving signals during this transition, although printer and automation output may be delayed while the switchover occurs.

If additional TCP ports are used in a redundant architecture, the configuration of both CPMs and the automation software should be reviewed together to ensure the expected continuity.

9. Basic Troubleshooting

Condition	Recommended check
Additional port is not available	Confirm that the SG-CPM5-AUTO license has been applied to the correct SG-CPM5. If the issue remains, validate the license with authorized support.
No automation connection	Check network connectivity, automation-software parameters, and the status of the configured port.
Automation trouble is indicated	Verify communication between the SG-CPM5 and the automation server and confirm availability of the configured destination.
One port works and another does not	Confirm that the specific port is license-enabled and has a valid configuration.
Problem after CPM switchover	Review the active CPM configuration and confirm that the automation architecture is consistent with the redundant configuration.

10. Maintenance

SG-CPM5-AUTO is a software license and requires no physical maintenance. Operational maintenance applies to SG-System 5, the SG-CPM5, the network infrastructure, and the associated automation software. It is recommended to keep a record of the license, current configuration, and communication tests performed.

11. Limitations of Available Information

The documentation reviewed confirms the purpose of the SG-CPM5-AUTO license but does not provide a specific procedure for acquiring, entering, loading, or activating the key. It also does not document the key format, expiration terms, CPM-to-CPM transfer, port-specific parameters, or license recovery procedures. These procedures should be obtained from authorized Sur-Gard/DSC support or from the operating manual corresponding to the exact SG-System 5 version in use.

12. Product Reference

Part number	SG-CPM5-AUTO
Description	License to unlock TCP automation ports 2, 3, or 4
System	SG-System 5
Module	SG-CPM5
Documented maximum	3 additional TCP ports per CPM5

Source: Sur-Gard SG-System 5 technical documentation provided. This manual is limited to information supported by the available sources.