IC697BEM733

Series 90-70 Remote I/O Scanner

GE IC697BEM733 is a remote I/O scanner for Series 90-70 racks on a Genius bus. It manages the documented I/O in a remote drop and exchanges that data with the controlling bus controller.

BRAND	GE	MODEL	IC697BEM733
PRODUCT	Series 90-70 Remote I/O Scanner	FAMILY	Series 90-70
OFFICIAL SOURCE	GE Intelligent Platforms Remote I/O Scanner User Manual	RECORD	GFK-0539D, IC697BEM733 features and operation

DOCUMENT SCOPE

Official technical evidence, controlled engineering checks, model-specific FAQ and related product navigation.

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Product Overview and Applications

SYSTEM FUNCTION

GE IC697BEM733 is a remote I/O scanner for Series 90-70 racks on a Genius bus. It manages the documented I/O in a remote drop and exchanges that data with the controlling bus controller.

FUNCTION 1

Controls Series 90-70 I/O in a Genius remote drop

FUNCTION 2

Supports up to eight racks in one documented remote drop

FUNCTION 3

Exchanges up to 128 input bytes and 128 output bytes

FUNCTION 4

Provides status LEDs and local service interfaces for commissioning

APPLICATION	ENGINEERING CONTEXT
Remote rack control	Places Series 90-70 I/O at a documented Genius-bus remote drop.
Large I/O drops	Coordinates approved discrete, analog and specialty modules across multiple racks.
Redundant systems	Supports documented CPU and bus redundancy with the required hardware revision.
Remote diagnostics	Uses local indicators and the hand-held monitor port to isolate drop faults.

Technical Data and Acceptance

PARAMETER	VERIFIED VALUE
Product family	Series 90-70
Module role	Genius remote I/O scanner
Remote-drop input capacity	Up to 128 bytes
Remote-drop output capacity	Up to 128 bytes
Racks per remote drop	Up to eight; scanner installed in rack 0
Network reach	Up to 7500 ft (2275 m), subject to documented cable and baud rules
Drop population	Up to 30 remote drops depending on baud rate and bus loading
Supported I/O	Documented discrete, analog, PCM, ADS and analog expander modules
Redundancy support	BEM733/735B or later supports documented CPU and bus redundancy
Indicators	Module OK, I/O Enabled and Bus B Active
Service ports	15-pin RS-422/485 and 9-pin hand-held monitor ports

Acceptance Path

1 IDENTITY

The complete IC697BEM733 marking and revision agree with the engineering record.

2 COMPATIBILITY

System position, companion hardware and interfaces match the manufacturer documentation.

3 CONFIGURATION

Saved values, channel mappings and protection limits are restored without unexplained change.

4 FUNCTIONAL PROOF

Diagnostics and the model-specific controlled test pass without unexplained fault.

Precautions and Model-Specific FAQ

NO.	PRECAUTION
1	Verify the complete GE IC697BEM733 marking and installed revision.
2	Confirm the documented Series 90-70 rack position and compatible companion hardware.
3	Back up the approved controller, network or channel configuration before removal.
4	De-energize the system and follow the current manufacturer service procedure before handling hardware.
5	Label every field, communication, common, shield and protective-ground connection.
6	Do not substitute a neighbouring catalog number without documented engineering approval.
7	Restore the exact configuration and verify normal module and system diagnostics.
8	Complete a controlled model-specific functional test before production release.

QUESTION	ANSWER
How much I/O can GE IC697BEM733 exchange?	A remote drop can exchange up to 128 input bytes and 128 output bytes.
How many racks can GE IC697BEM733 manage?	The documented remote drop can contain up to eight racks, with the scanner in rack 0.
What is the documented GE IC697BEM733 network reach?	The manual permits up to 7500 ft (2275 m), subject to cable and baud-rate rules.
Which GE IC697BEM733 revision supports redundancy?	The manual identifies BEM733/735B or later for documented CPU and bus redundancy.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Siemens 39RTMCAN-16207-61-13	View Siemens 39RTMCAN-16207-61-13
Siemens 39SAMCAN-16133-71-04	View Siemens 39SAMCAN-16133-71-04
Siemens 39SAMCAN-16133-71-13	View Siemens 39SAMCAN-16133-71-13
Siemens 39SAMCAN-16133-71-8	View Siemens 39SAMCAN-16133-71-8
Siemens 39SAMCAN-16133-71-9	View Siemens 39SAMCAN-16133-71-9

FAQ, Related Products and Sources

QUESTION	ANSWER
Which GE IC697BEM733 indicators should be checked?	Check Module OK, I/O Enabled and Bus B Active.
What must be recorded before replacing GE IC697BEM733?	Record the complete GE IC697BEM733 marking, installed revision, system position, connections and approved configuration before removal.
What confirms successful commissioning of GE IC697BEM733?	The exact GE IC697BEM733 identity, restored configuration, normal diagnostics and a controlled model-specific functional test must all agree with the approved record.

MANUFACTURER SOURCE RECORDS

GE Intelligent Platforms Remote I/O Scanner User Manual - GFK-0539D, IC697BEM733 features and operation
GE Intelligent Platforms Remote I/O Scanner User Manual - GFK-0539D, IC697BEM733 features and operation

Related Products on Apter Power

MODEL	APTER POWER PAGE
Siemens 39VIMCCN-16171-126-3	View Siemens 39VIMCCN-16171-126-3
Siemens 39VIMCCN-16171-126-6	View Siemens 39VIMCCN-16171-126-6
Siemens 39VIMCCN-A5E00282175-07	View Siemens 39VIMCCN-A5E00282175-07
Siemens 3RN2011-1BA30	View Siemens 3RN2011-1BA30
Siemens 3RT5044-1AN20	View Siemens 3RT5044-1AN20
Siemens 3RT6015-1BB41	View Siemens 3RT6015-1BB41
Siemens 3RT6024-1AN20	View Siemens 3RT6024-1AN20
Siemens 3RT6025-1AN20	View Siemens 3RT6025-1AN20

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