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Data Sheet

August 13, 2026

L3 COMMUNICATIONS

L3 Communications MBS720

L3 Communications MBS720 Module / Assembly The L3 Communications MBS720 is an L-3 (L3Harris lineage) module/assembly identified by catalog MBS720. Public OEM numeric tables are sparse. Identity is an L-3 communications subsystem module; function (power, baseband, or bus) must be read from the nameplate, connector set, and the MBS720 drawing. Do not assign RF-5000 radio ratings or Microdyne VME Ethernet ratings to MBS720. L-3 communications system MRO; MBS720 module replacement. The L3 Communications MBS720 is an L-3 (L3Harris lineage) module/assembly identified by catalog MBS720. Public OEM numeric tables are sparse. Identity is an L-3 communications subsystem module; function (power, baseband, or bus) must be read from the nameplate, connector set, and the MBS720 drawing. Do not assign RF-5000 radio ratings or Microdyne VME Ethernet ratings to MBS720. L-3 communications system MRO; MBS720 module replacement.



MODEL

**L3
Communications
MBS720**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

MBS720

LISTING

<https://aumictechlabs.com/products/mbs720-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The L3 Communications MBS720 is a bit synchronizer telemetry and instrumentation unit designed to acquire and transmit data within communication and telemetry system infrastructures. This device integrates security protocols to protect data stream integrity and

confidentiality across networked environments requiring stringent protection measures. Technical Specifications Device Type: Bit Synchronizer Telemetry & Instrumentation Unit Model Number: MBS720 Part Number: EMR832-DUALPN Manufacturer: L3 Communications Key Features The MBS720 operates as a dedicated telemetry acquisition and transmission interface. It implements authentication and encryption protocols to safeguard sensitive data flows. The unit's architecture enables secure data handling across distributed telemetry networks where signal integrity and confidentiality are critical operational requirements. Typical Applications Bit synchronizer telemetry units serve environments with demanding security postures. These installations typically include command and control systems, remote instrumentation networks, and secured communication channels where data authenticity and protected transmission are non-negotiable. Compatibility & Integration The MBS720 integrates within existing communication and telemetry system architectures. Its design accommodates standard network infrastructure deployments where additional security layers for data streams are necessary. The unit functions as a component within larger telemetry ecosystems, providing point-level protection for transmitted information.

Features & description

From manufacturer datasheet

Features

- L3 Communications catalog MBS720

MBS720 Characteristics / Specifications

PARAMETER	VALUE
Model	MBS720
Manufacturer	L3 Communications (L3Harris lineage)
Instrument Type	Communications Module / Assembly
Series	L3 MBS
Alias	MBS720; L3 MBS720; L-3 MBS720
Function	host-system specific; read the MBS720 nameplate and mating chassis
Form	plug-in or boxed L-3 module (confirm outline on the unit)
Connectors	MBS720 I/O set on the faceplate
Power	module input per the nameplate (do not assume 28 Vdc or VME +5 V)
Not RF50	RF-5061-PS001 isaHarris 12-28 Vdc converter
Not 98200	9820052-05 isaMicrodyne VME Ethernet board
Documentation	L3 MBS720 assembly drawing / depot manual
Status	surplus/MRO communications module
Identity Rule	do not copy radio or VME Ethernet tables
Cooling	per the host enclosure
Agency	markings on the nameplate
Replacement	match MBS720 full dash if present
Host	L-3 communications cabinet or LRU that calls MBS720
Accessory Category	LRU/module spare
Environment	nameplate temperature class
Firmware	if present, match the system software baseline
Safety	observe ESD and classified-system handling if labeled
Verification	continuity/config check against the system illustrated parts breakdown Notes Sparse L3 MBS720. Rows are catalog identity and explicit exclusions. Confirm function and ratings on the nameplate. Do not invent RF power or bit rates.

MBS720 Specifications

PARAMETER	VALUE
L3 Communications MBS720 Module / Assembly	Overview
Applications	L-3 communications system MRO; MBS720 module replacement.
Key Features	- L3 Communications catalog MBS720
Technical Specifications	Model: MBS720

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Instrument Type	Communications Module / Assembly
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Notes

Sparse L3 MBS720. Rows are catalog identity and explicit exclusions. Confirm function and ratings on the nameplate. Do not invent RF power or bit rates.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.