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Data Sheet

August 13, 2026

EXFO

Exfo IQS-505P-N10-I3-G1 Intelligent Test System Control Unit with 5 Slots

The EXFO IQS-505P-N10-I3-G1 is a 5-slot intelligent control platform for managing EXFO IQS modular test units. It integrates power, connectivity, and user interface, making it ideal for centralized test control in high-density lab environments.



MODEL

Exfo IQS-505P-N10-I3-G1

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

IQS-505P-N10-I3-G1

LISTING

<https://aumictechlabs.com/products/iqs-505p-n10-i3-g1-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The EXFO IQS-505P-N10-I3-G1 is a 5-slot intelligent control unit that is the hub for EXFO IQS modular test systems. It integrates power management, system connectivity, and a graphical user interface to deliver centralized test control in laboratory and production environments. Built on standard industrial PC architecture with a Pentium III processor, the unit supports expansion up to 100 total modules through connection of up to nine IQS-510E expansion units, enabling flexible test system scaling without redesign.

Technical Specifications

Processor: Pentium III (866 MHz for system management)

Display: 8.4-inch TFT color touchscreen

Module slots: 5 slots for plug-in test modules

Power input: 110-120/210-240 V AC, 50/60 Hz

Data bus: EXFO Bus II for high-speed inter-unit communication

Maximum system capacity: 100 modules (with nine IQS-510E expansion units)

Key Features

8.4-inch TFT touchscreen with local scrolling knob for manual operation

10/100 Base-T Ethernet, RS-232 serial, parallel, and USB (2x) ports External monitor and keyboard/mouse inputs for remote operation Optional GPIB interface (IEEE 488.2) supporting single-address control of up to 100 modules IQS Manager software compatible with Microsoft Windows 2000 Professional Backward compatibility with IQ-200 Optical Test System modules

Key Features

- Modular plug-in test configuration for application-specific setups
- Scalable architecture supporting multi-unit expansion via EXFO Bus II
- Dual control: local touchscreen operation and remote Ethernet/GPIB access
- High-density test environments in both benchtop and integrated automated systems

Compatibility & Integration

The IQS-505P-N10-I3-G1 integrates with the IQS-500 series modular ecosystem. Up to nine IQS-510E expansion units extend the system to 100 total modules. The unit maintains backward compatibility with IQ-200 Optical Test System modules and communicates across all connected units via EXFO Bus II. Standard Ethernet and optional GPIB interfaces enable remote control and integration into broader test automation frameworks.

Features & description

From manufacturer datasheet

Features

- 5 module slots with integrated touchscreen
- Industrial Pentium III 866 MHz controller
- Windows 2000 Professional / IQS Manager
- 8.4-inch 800×600 TFT touchscreen + scroll knob
- Optional GPIB master/slave networking
- Controls up to nine IQS-510E expansion units
- Backward compatible with many IQ-200 modules
- 19-inch rack-mountable chassis

Applications

- Modular optical T&M production racks
- Desktop local-control IQS module hosting
- GPIB/Ethernet/RS-232 automated test systems
- Expansion to high module counts via IQS-510E
- LabVIEW / ActiveX / SCPI remote automation

IQS505PN10I3G1 Characteristics / Specifications

PARAMETER	VALUE
Model	IQS-505P-N10-I3-G1
Manufacturer	EXFO
Instrument Type	Intelligent Test System Control Unit
Alias	IQS-505P; IQS-505P-N10-I3-G1
Module slots	5
CPU	Industrial Pentium III 866 MHz
Memory N	256 MB (512 MB optional N12)
GPIB option I	GPIB card installed
Optical drive G	CD-ROM
Display	8.4 in touchscreen 800×600 color TFT
Ethernet	10/100 Base-T
USB ports	2
Serial	RS-232
Parallel port	yes
External monitor port	yes
External keyboard/mouse	yes
EXFO bus	Bus II output
Hard drive	40 GB minimum
Floppy	3.5 in 1.44 MB
Power	110–120 / 210–240 VAC 50/60 Hz
Dimensions	17.7 cm x 43.9 cm x 49.5 cm
Weight	16.5 kg
Operating temperature	0 °C to 40 °C
Storage temperature	–40 °C to 70 °C
Relative humidity	0 % to 80 % non-condensing at 40 °C

PARAMETER	VALUE
Operating system	Windows 2000 Professional
Software	IQS Manager
Remote control	Ethernet ActiveX/DCOM; GPIB SCPI; RS-232 SCPI
Drivers	LabVIEW; ActiveX/COM
Max modules with expansion	up to 100
Expansion units supported	up to 9 × IQS-510E Notes Specs from EXFO IQS-500 / IQS-505P datasheet and Artisan configuration notes for N10-I3-G1. Confirm installed RAM, GPIB presence, CD vs CD-RW, and OS image on the specific unit.
Humidity	0 % to 80 % non-condensing at 40 °C

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
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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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Model	IQS-505P-N10-I3-G1
Manufacturer	EXFO
Instrument Type	Intelligent Test System Control Unit
Alias	IQS-505P; IQS-505P-N10-I3-G1
Module slots	5
CPU	Industrial Pentium III 866 MHz
Memory N10	256 MB (512 MB optional N12)
GPIB option I3	GPIB card installed
Optical drive G1	CD-ROM
Display	8.4 in touchscreen 800x600 color TFT
Ethernet	10/100 Base-T
USB ports	2
Serial	RS-232
Parallel port	yes
External monitor port	yes
External keyboard/mouse	yes
EXFO bus	Bus II output
Hard drive	40 GB minimum
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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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
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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.