

IMSPM01

INFI 90 Serial Port Module

The Elsag Bailey IMSPM01 is a microprocessor-based INFI 90 Serial Port Module. It provides a serial communications path between a computer and INFI 90 modules installed in a Process Control Unit over the module bus.

Manufacturer	ABB / Elsag Bailey
Complete model	IMSPM01
Product description	INFI 90 Serial Port Module
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IMSPM01

1. Product overview and identity

The Elsag Bailey IMSPM01 is a microprocessor-based INFI 90 Serial Port Module. It provides a serial communications path between a computer and INFI 90 modules installed in a Process Control Unit over the module bus.

System function

The IMSPM01 accepts Bailey and EWS commands for module tuning, configuration, status reporting and data transfer. It can communicate with up to 31 modules. One faceplate port supports a direct computer or modem connection; an optional termination unit exposes the second serial channel and a diagnostic-terminal path.

Verified technical information

Parameter	Verified value
Module type	Serial Port Module
Processor	8-bit, 2 MHz
Memory	24 KB UVROM; 4 KB SRAM
Serial interfaces	2 full-duplex RS-232C ports
Baud rates	300, 1200, 2400, 9600 or 19200 baud
Data format	7 or 8 data bits; 1 or 2 stop bits; even, odd or no parity
Module capacity	Up to 31 INFI 90 modules
Power	+5 VDC 1.9 A; +15 VDC 35 mA; -15 VDC 28 mA
Operating temperature	0 to 70 deg C
Relative humidity	0-95% to 55 deg C; 0-45% at 70 deg C
Altitude	Sea level to 3 km

2. Integration and verification

Signals and data handled

Two full-duplex RS-232C serial channels; it exchanges module configuration, status and process data rather than directly measuring field signals.

Companion components

INFI 90 Process Control Unit, module bus, optional termination unit, computer or modem, compatible engineering/workstation software.

Common industrial applications

Commissioning, supervisory data access, module configuration and diagnostics for INFI 90 process-control systems.

Product precautions

- Set baud rate, data bits, stop bits and parity consistently at both ends of the serial connection.
- Verify the termination-unit and cable arrangement before using the second port or diagnostic terminal.
- Use electrostatic-discharge precautions and de-energize the affected cabinet section before module replacement.

Manufacturer source PDFs

Manufacturer document	Direct PDF
Elsag Bailey I-E96-217A IMSPM01 instruction	Open PDF in a new window

Only information traceable to the cited ABB/Elsag Bailey documents is stated. Missing values are intentionally not inferred. Confirm the complete nameplate, revision, approvals, wiring and current manufacturer instructions before installation or replacement.