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Data Sheet

August 2, 2026

ASTRONICS / EADS / RACAL

Astronics / EADS / Racal 1260-14C 96-Line Digital I/O, Open Collector Module

Astronics / EADS / Racal VXI Modules. Channels: ** 96 Digital I/O (twelve 8-bit groups), Current: ** Sinks up to 200 mA per channel, Voltage: ** Drives up to 32 V.

**MODEL****Astronics / EADS /
Racal 1260-14C****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****1260-14C****LISTING**[https://aumictechlabs.c
om/products/1260-14c-
2/](https://aumictechlabs.com/products/1260-14c-2/)

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NAICS 423690 • 811210 • 541380

This unit

The Astronics/EADS/Racal 1260-14C is a C-size, single-slot VXIbus Digital I/O module delivering 96 individually configurable open collector channels organized into twelve 8-bit groups. Each group supports independent pull-up supplies up to 32 VDC, enabling flexible interfacing with external logic, switches, and relays. Channels sink up to 200 mA and drive up to 32 V, with pseudo tri-state capability achieved by driving logic '1'. The module operates in asynchronous, synchronous, and mixed modes with programmable two-wire handshake support (active high or low). Data rates span 1 kHz to 200 kHz asynchronous (register-based) and up to 800 Hz synchronous. Message-based control leverages the VXIbus backplane via 8-bit poke/peek operations, supporting hex, decimal, and binary data manipulation. Internal pull-up resistors are user-installed via 16-pin DIP sockets; external voltage (Vext) supplies up to 32 VDC per group at 1 A maximum per pin enable inductive fly-back protection. The module ships with one mating

connector set; additional connectors are available separately. CE Mark compliance confirms adherence to RF emissions, electromagnetic immunity, and electrical safety standards. Technical Specifications Channels: 96 Digital I/O (twelve 8-bit groups) Output Type: Open Collector Current: Sinks up to 200 mA per channel Voltage: Drives up to 32 V; pull-up supplies to 32 VDC per group; external Vext limited to 1 A per pin Data Rate: 1 kHz; static to 200 kHz (asynchronous, register-based); static to 800 Hz (synchronous) Operating Modes: Asynchronous, Synchronous, Mixed; two-wire programmable handshake (active high/low) Control Interface: Message-based via VXIbus; 8-bit poke/peek operations Data Formats: Hexadecimal, Decimal, Binary Pull-Up Configuration: Internal (user-installed via 16-pin DIP sockets) or external supply; 10 k Ω recommended for standard logic gates Physical Form Factor: C-size, single-slot VXIbus module Key Features Individual channel input/output configuration Pseudo tri-state output capability Programmable handshake lines for synchronous transactions Support for VXIbus supplied voltages (+5V, +12V, +24V) as internal pull-up sources CE Mark compliance Typical Applications Relay and switch control External digital circuit interfacing Industrial test and measurement systems Synchronous multi-channel I/O sequencing Compatibility & Integration The 1260-14C integrates with VXIbus backplanes and supports optional 1260 Series Smart Card Modules for buffered I/O operations. One mating connector is included; additional connectors may be ordered separately.

Features & description

From manufacturer datasheet

Features

- 96 open-collector digital I/O channels (12 groups of 8)
- External pull-up to 32 VDC per group
- Sinks up to 200 mA per channel (family datasheet)
- Vout high 5–32 V; Vout low less than or equal to 1.5 V at 200 mA class
- Async, sync, and mixed operating modes
- Two-wire programmable handshaking
- Data rate static to about 200 kHz async (register-based)
- Option 01 or 01T control
- Single-slot C-size VXI module

126014C Characteristics / Specifications

PARAMETER	VALUE
Model	1260-14C
Manufacturer	Astronics Test Systems / EADS / Racal Instruments
Instrument Type	96-line open-collector digital I/O VXI module
Form Factor	C-size, single-slot VXI
Channels	96 open-collector, twelve 8-bit ports
Output Low	less than or equal to 1.5 V at I _{OL} = 200 mA (family datasheet)
Output High	5 V to 32 V (open-collector with pull-up)
Data Rate	static to about 200 kHz asynchronous register-based; about 800 Hz synchronous (family datasheet)
Operating Modes	asynchronous; synchronous; mixed
Control	Option 01 or Option 01T
Ordering	407164 (1260-14C open collector)
Related	1260-14 TTL (404916); 1260-14 CMOS (404916-001) Standard Operating Conditions Supply external pull-up/protection voltages (V _{ext}) when driving inductive loads—failure to provide flyback protection supply may damage outputs per manual. Install Option 01/01T per 1260 system configuration.

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

Specifications

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Model	1260-14C
Manufacturer	Astronics Test Systems / EADS / Racal Instruments
Instrument Type	96-line open-collector digital I/O VXI module
Form Factor	C-size, single-slot VXI
Channels	96 open-collector, twelve 8-bit ports

Pull-Up: independent external/internal pull-up per group to 32 VDC

Specifications

PARAMETER	VALUE
Output Low	less than or equal to 1.5 V at Iinfo = 200 mA (family datasheet)
Output High	5 V to 32 V (open-collector with pull-up)
Data Rate	static to about 200 kHz asynchronous register-based; about 800 Hz synchronous (family datasheet)
Operating Modes	asynchronous; synchronous; mixed
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Ordering: 407164 (1260-14C open collector)
Related: 1260-14 TTL (404916); 1260-14 CMOS (404916-001)

Standard Operating Conditions

Supply external pull-up/protection voltages (Vext) when driving inductive loads-failure to provide flyback protection supply may damage outputs per manual. Install Option 01/01T per 1260 system configuration.

Operational Notes

Inductive-load wiring requires external Vext per 1260-14C manual. Confirm 1260-14C vs TTL/CMOS siblings before ordering mating IDC connectors (two 50-pin and two 60-pin front connectors class).

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.