

Beckhoff — CX Embedded PC Systems

CX1020-N040



 **In-Stock, Ships Today**

- ☒ Get a Quote in 5 minutes
- ☒ Parts ship in as little as 24 hours
- ☒ Up to half the cost of the manufacturer



Secure Online
Checkout



Free Ground
Shipping



One Year
Warranty

The **CX1020-N040** is a serial communication extension module manufactured by Beckhoff for the CX Embedded PC Systems series. Intended for embedded PLC platforms, the device adds serial connectivity so a CPU module can exchange data with barcode scanners, weighing scales, and legacy controllers that rely on asynchronous links. The module occupies a position on the system bus next to the CPU, expanding connectivity without requiring external gateways. This arrangement keeps communication wiring confined to the DIN-rail area and reduces the number of separate devices needed inside the control cabinet.

The module provides **two COM ports** that comply with the **RS-232** standard, allowing point-to-point communication with compatible equipment. Data connections are made through **two 9-pin D-Sub plugs**, with each connector supporting the signal arrangement needed for hardware handshaking. Transmission speeds reach **115 kbaud**, accommodating common field-level serial workloads used in industrial automation. The ports are mapped as **COM3 (X400) and COM4 (X401)**, giving each connection a distinct hardware reference for cabinet markings and software addressing. Standard straight-through serial cables can be used without custom wiring because the connectors retain the conventional pin arrangement. Within the Beckhoff runtime environment, the interfaces appear as standard Windows COM objects, simplifying their use with applications and device drivers.

The housing measures **19 x 100 x 51 mm**, matching the height and depth of the CX1020 CPU while adding only 19 mm to the assembly width. Its **IP20 protection rating** makes the module suitable for installation inside a closed control cabinet where it is protected from moisture and small debris. Operating power is supplied **through the**

Automation Factory sells factory new and pre-owned surplus products and maintains channels to procure supply. Automation Factory is not affiliated with nor an authorized distributor or representative of any manufacturers, brands or products listed. Designated trademarks, brand names, and brands appearing herein are the property of their respective owners.

system bus, so separate supply conductors are not required during installation. The module tolerates ambient humidity of up to **95% non-condensing**, supporting operation in control environments where humidity may vary without forming condensation. Its compact enclosure preserves space for neighboring CX modules and maintains an orderly arrangement along the DIN rail.

Specifications

Com Ports:	2 (COM3, COM4)	Connector Type:	2 x 9-pin D-Sub plug	Dimensions (w X H X D):	19 x 100 x 51 mm
Emc Immunity/emission:	Conforms to EN 61000-6-2/EN 61000-6-4	Interfaces:	1 x COM3 + 1 x COM4, RS232	Max Baud Rate:	115 kbaud
Max Humidity:	95% non-condensing	Operating/storage Temperature:	0...+55°C/-25...+85°C	Pins Per Connector:	9
Port Mapping:	COM3 (X400), COM4 (X401)	Power Supply:	Via system bus	Properties:	max. baud rate 115 kbaud, not combinable with N031/N041
Protection Class:	IP20	Protection Rating:	IP20	Serial Interface:	RS232
Type Of Connection:	2 x D-sub plug, 9-pin	Vibration/shock Resistance:	Conforms to EN 60068-2-6/EN 60068-2-27	Weight:	approx. 80 g
Last Verified:	10/24/2026 9:45 PM				

Contact Us

-  1620 Old Apex Road, Cary, NC 27513, USA
-  **Toll Free:** [1-888-551-3082](tel:1-888-551-3082)
-  **International:** [1-919-443-0207](tel:1-919-443-0207)
-  **Fax:** [1-919-867-6204](tel:1-919-867-6204)
-  **Email:** sales@wakeindustrial.com

Shipping Options



Payment Methods



Automation Factory sells factory new and pre-owned surplus products and maintains channels to procure supply. Automation Factory is not affiliated with nor an authorized distributor or representative of any manufacturers, brands or products listed. Designated trademarks, brand names, and brands appearing herein are the property of their respective owners.