



4610X

Unified Communication Module

Product scope

- Provides unified network and serial communication services for a Tricon CX controller.
- Installs as a matched pair in the left and right positions of one 8120X COM slot.
- Includes status indication for module, network and synchronization functions.

Manufacturer source

Schneider Electric Tricon CX Addendum to Tricon User Guides 9791042-002 Rev. 3.

This web-optimized copy retains only product-relevant manufacturer information.

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4610X verified technical reference

Unified Communication Module

Exact product identity

Triconex 4610X is a Tricon CX Unified Communication Module that integrates controller data, Ethernet services, serial links and time synchronization.

Manufacturer	Triconex
Model	4610X
Product family	Tricon CX
Product type	Unified Communication Module
Module type	Unified Communication Module
System family	Tricon CX
Main chassis	8120X
Installation	Matched pair in COM1 or COM2
Logic power	Less than 30 W
Main-chassis temperature with 4610X	0°C to 55°C
Communication media	Ethernet and serial interfaces
Time synchronization	Supported

Manufacturer source

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Only facts that can be matched to the exact ordering code are included in this product reference.



4610X engineering review

Unified Communication Module

Configuration and integration

Triconex 4610X is the Unified Communication Module for Tricon CX main-chassis communication slots. It consolidates network, serial and synchronization services used by controller and host-system integrations.

Matched units can occupy the left and right positions of one COM slot in the 8120X main chassis. The module participates in redundant communication designs while presenting dedicated front-panel status indications.

Port media, protocol assignments and the chassis communication layout must be documented before exchange. Installing this UCM also changes the main-chassis ambient limit to the value specified for systems containing a 4610X.

Installation attention

4610X lowers the 8120X main-chassis operating-temperature ceiling to 55°C; verify cabinet inlet temperature and communication redundancy before replacement.

Verified functional points

Applications

- Connects Tricon CX safety data to supported supervisory and plant-system networks.
- Provides configured serial paths for devices that remain outside the Ethernet architecture.
- Supports redundant controller communication when a matched UCM pair is installed.

Integration

- The UCM is installed in an 8120X main-chassis communication slot rather than an I/O position.
- Matched left and right modules support the documented redundant communication arrangement.
- Controller configuration must assign the selected communication services before the module becomes operational.

Network Ports

- Ethernet interfaces carry configured controller and host-system data paths.
- Serial connections provide separate routes for supported legacy or device-level communication.
- Front-panel indicators expose link, transmit, receive and module-status information for maintenance.

Time Sync

- The communication architecture includes a dedicated time-synchronization function.
- Redundant modules require consistent time-source and network assignments across the pair.
- Time-quality verification should be included in commissioning after a UCM replacement.

Source record

Schneider Electric Tricon CX Addendum to Tricon User Guides 9791042-002 Rev. 3.



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