4200N

Primary Extender Module

EXACT PUBLISHED IDENTITY

TRICONEX 4200N is the nuclear-qualified Primary Remote Extender Module mapped to the standard fiber-optic 4200 platform. It is installed in the RXM chassis located near the main chassis.

Technical snapshot

Product role	Primary fiber-optic Remote Extender Module
Qualified designation	4200N
Standard-model mapping	4200
Set designation	4200-3 primary RXM set
Installed location	RXM chassis near the Main Chassis
Supported remote locations	Up to three RXM or expansion chassis per primary set
Remote medium	Point-to-point fiber-optic cabling
Maximum published distance	7.5 miles (12 km)

Engineering data

Verified exact-model values from official manufacturer evidence

Published characteristics

RXM power modules	Two per RXM chassis
RXM I/O capacity	Six I/O module slot sets
Qualification class	Tricon v10 nuclear 1E equipment table
Connector control	ST connectors fully seated and locked

EVIDENCE BOUNDARY

Confirm the complete 4200N identity, installed system record and approved companion hardware before replacement or commissioning.

ENGINEERING CONTROL

For 4200N, the verified dataset records qualified designation as 4200N and standard-model mapping as 4200. These values must be applied only after the complete installed marking, cabinet record and approved system architecture have been reconciled.

Verified related ApterPower product pages

- TRICONEX 3502E
- TRICONEX 3503E
- TRICONEX 3504E
- TRICONEX 3511
- TRICONEX 3624
- TRICONEX 3664
- TRICONEX 3703E
- TRICONEX 3704E

System role and applications

Documented contexts without configuration inference

INSTALLED TRICON SYSTEMS

Controlled service where the approved system records explicitly identify 4200N.

PLANNED MAINTENANCE

Like-for-like inspection or replacement work that preserves the documented primary extender module arrangement.

LIFECYCLE-MANAGED SPARES

Exact-identity spare control for operating installations that retain the TRICONEX 4200N designation.

COMMISSIONING VERIFICATION

Functional checks that confirm the recorded interface, configuration and diagnostics after 4200N is installed.

Integration control

Manufacturer installation instructions place the primary 4200 set in the RXM chassis near the Main Chassis and use fiber-optic links to remote RXM locations. A primary set can support up to three remote or expansion chassis, while each RXM chassis includes two Power Modules and up to six I/O slot sets. Fiber channels and ST connector engagement must be preserved exactly.

Technical questions

Complete answers tied to the exact published model

What function does TRICONEX 4200N perform?

TRICONEX 4200N performs the documented role of a primary extender module within the applicable installed-system architecture.

Which qualified designation is specified for 4200N?

The manufacturer specifies the qualified designation for 4200N as 4200N.

How does the manufacturer define the standard-model mapping of 4200N?

The manufacturer specifies the standard-model mapping for 4200N as 4200.

What set designation applies to the TRICONEX 4200N?

The manufacturer specifies the set designation for 4200N as 4200-3 primary RXM set.

Where does 4200N fit with respect to installed location?

The manufacturer specifies the installed location for 4200N as RXM chassis near the Main Chassis.

Why must the supported remote locations be checked on 4200N?

The manufacturer specifies the supported remote locations for 4200N as Up to three RXM or expansion chassis per primary set.

When replacing 4200N, which remote medium must match the record?

The manufacturer specifies the remote medium for 4200N as Point-to-point fiber-optic cabling.

What does the manual state about the maximum published distance for 4200N?

The manufacturer specifies the maximum published distance for 4200N as 7.5 miles (12 km).

Product precautions

Eight controlled checks before return to service

1. Record the complete TRICONEX 4200N marking and installed position before work.
2. Place the controller and affected process function in the approved safe maintenance state.
3. Verify the documented system version, companion hardware and interface assigned to 4200N.
4. Isolate the applicable controller and field energy in accordance with the approved procedure.
5. Inspect connectors, keys, cable assemblies and mechanical retention before installation.
6. Install 4200N only in the recorded location without changing the approved architecture.
7. Restore power under control and confirm the specified indicators, communications and diagnostics.
8. Document the final identity, configuration and functional acceptance results before release.

Manufacturer evidence used

- TRICONEX Planning and Installation Guide for Tricon v9-v11 Systems, document 9720100-012.
- TRICONEX Technical Product Guide, document 9791007-013.
- TRICONEX Field Terminations Guide for Tricon v9-v10 Systems, document 9700052-018.

Verified related ApterPower product pages

- TRICONEX 4210
- TRICONEX 4329
- TRICONEX 4119A
- TRICONEX 8312

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