8110

Main Chassis

PUBLISHED IDENTITY

TRICONEX 8110 is the high-density main chassis for Tricon version 9 through version 11 systems. It accommodates the controller power, processor, communication and I/O module arrangement on the triplicated backplane.

Technical snapshot

Product role	High-density Tricon main chassis
Compatible versions	Tricon 9.0-11.x
Power module positions	Two
Main Processor positions	Three
Battery positions	Two
Communication slots	One without a hot-spare slot
Logical I/O or communication slots	Six
Physical spaces per logical slot	Two

Verified related ApterPower product pages

TRICONEX 3502E

TRICONEX 3503E

Engineering data

Official evidence organized for exact-model review

Product role	High-density Tricon main chassis
Compatible versions	Tricon 9.0-11.x
Power module positions	Two
Main Processor positions	Three
Battery positions	Two
Communication slots	One without a hot-spare slot

Logical I/O or communication slots	Six
Physical spaces per logical slot	Two
TriBus with 3006 or 3007	4 Mbps
TriBus with 3008 or 3009	25 Mbps
Backplane buses	TriBus, I/O bus and communication bus
Chassis family	High-density configuration

EVIDENCE BOUNDARY

Confirm the complete 8110 identity, installed system record and approved companion hardware before replacement or commissioning.

Applications and system role

Four distinct documented operating contexts

INSTALLED TRICON SYSTEMS

Controlled service where the approved system records explicitly identify 8110.

PLANNED MAINTENANCE

Like-for-like inspection or replacement work that preserves the documented main chassis arrangement.

LIFECYCLE-MANAGED SPARES

Exact-identity spare control for operating installations that retain the TRICONEX 8110 designation.

COMMISSIONING VERIFICATION

Functional checks that confirm the recorded interface, configuration and diagnostics after 8110 is installed.

Integration control

The chassis accepts two Power Modules, three Main Processors, two batteries and one communication slot. Six logical I/O or communication slots are provided, with two physical module positions in each logical slot. Bus speed depends on the installed Main Processor generation, so the processor model and system version must be verified together.

Verified related ApterPower product pages

TRICONEX 3504E

TRICONEX 3511

Technical questions

Complete model-specific answers from the approved evidence set

What function does TRICONEX 8110 perform?

TRICONEX 8110 performs the documented role of a main chassis within the applicable installed-system architecture.

Which compatible versions is specified for 8110?

The manufacturer specifies the compatible versions for 8110 as Tricon 9.0-11.x.

How does the manufacturer define the power module positions of 8110?

The manufacturer specifies the power module positions for 8110 as Two.

What main processor positions applies to the TRICONEX 8110?

The manufacturer specifies the main processor positions for 8110 as Three.

Where does 8110 fit with respect to battery positions?

The manufacturer specifies the battery positions for 8110 as Two.

Why must the communication slots be checked on 8110?

The manufacturer specifies the communication slots for 8110 as One without a hot-spare slot.

When replacing 8110, which logical i/o or communication slots must match the record?

The manufacturer specifies the logical i/o or communication slots for 8110 as Six.

What does the manual state about the physical spaces per logical slot for 8110?

The manufacturer specifies the physical spaces per logical slot for 8110 as Two.

Product precautions

Eight aligned controls before return to service

1. Record the complete TRICONEX 8110 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 8110.
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 8110 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.

Verified related ApterPower product pages

- TRICONEX 3624
- TRICONEX 3664
- TRICONEX 3703E
- TRICONEX 3704E

Evidence and support

Manufacturer references, related products and direct contact

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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