

INDUSTRIAL AUTOMATION PRODUCT

EMPII 3006

Enhanced Main Processor II Module

Triconex EMPII 3006 is an Enhanced Main Processor II module for Tricon version 9 systems. It operates as one of three processors executing and coordinating the safety-control application.

IDENTITY	VERIFIED VALUE
Manufacturer	Triconex
System family	Tricon version 9 controller
Part number	3006
Country	USA
HS code	8537101190

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Technical Specifications

Technical values below are limited to the named Triconex product record.

PARAMETER	TECHNICAL VALUE
Product number	3006
Processor generation	Enhanced Main Processor II
Tricon version	9
Memory	2 MB
Controller architecture	Three main processors per Tricon system

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	Tricon version 9 main chassis
Companion hardware	two matching 3006 processor modules
Field connection	approved Tricon application
Primary system function	Executes one channel of the triplicated Tricon version 9 control program
Controlled acceptance duty	Legacy Tricon version 9 safety control

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System Role and Architecture

Triconex EMP11 3006 is an Enhanced Main Processor 11 module for Tricon version 9 systems. It operates as one of three processors executing and coordinating the safety-control application.

FUNCTION 1

Executes one channel of the triplicated Tricon version 9 control program

FUNCTION 2

Participates in input-table voting and output-data coordination across the controller

FUNCTION 3

Communicates with the assigned I/O subsystem and controller communication buses

FUNCTION 4

Reports processor and system health through Tricon diagnostics

Matched system components

- Tricon version 9 main chassis
- two matching 3006 processor modules
- approved Tricon application
- triplicated I/O and communication buses

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	Tricon version 9 main chassis
Companion hardware	two matching 3006 processor modules
Field connection	approved Tricon application
Primary system function	Executes one channel of the triplicated Tricon version 9 control program
Controlled acceptance duty	Legacy Tricon version 9 safety control

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Applications and Engineering Context

Legacy Tricon version 9 safety control

Executes one channel of the triplicated Tricon version 9 control program

Triplicated main-processor replacement

Participates in input-table voting and output-data coordination across the controller

Emergency shutdown application retention

Communicates with the assigned I/O subsystem and controller communication buses

Installed-base controller lifecycle maintenance

Reports processor and system health through Tricon diagnostics

TECHNICAL NOTE

Confirm the complete EMP11 3006 identity, matching processor set, installed Tricon version, and approved application backup before exchanging a module; validate synchronization and diagnostics afterward.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	EMP11 3006 / 3006 recorded
Physical interface	Tricon version 9 main chassis
Companion check	two matching 3006 processor modules
Functional proof	Executes one channel of the triplicated Tricon version 9 control program
Application test	Legacy Tricon version 9 safety control

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Engineering Precautions

1

Verify EMPII 3006 and the installed Tricon version 9 chassis before work.

2

Place the safety controller and process in the approved maintenance state.

3

Record the three processor identities, positions, revisions, and active diagnostics.

4

Back up the approved control application and configuration before module removal.

5

Use ESD controls and inspect the keyed main-chassis connector.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
Triconex 3504E	High-Density Digital Input Module	Open product page
Triconex 3008	Main Processor Module	Open product page
Triconex 4210	Remote Extender Module Set	Open product page
Triconex 4119A	Enhanced Intelligent Communication Module	Open product page

MANUFACTURER SOURCE RECORD

Triconex Lifecycle Phase Report

Standard Tricon Product Lifecycle and Compatibility Report

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