

NFCP501-W15 S2

STARDOM FCN-500 processor module

CONTROLLED ENGINEERING COPY

Verify NFCP501-W15 S2, processor operating mode, Ethernet addresses, serial parameters, SB-bus configuration, SDHC contents and battery condition before replacement; confirm duplex synchronization and all controller diagnostics after restart.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	NFCP501-W15 S2
Manufacturer part	NFCP501-W15 S2
Hardware type	Intel Atom E3815, 1.46 GHz
System family	Yokogawa STARDOM FCN-500 autonomous controller
HS code	8537101190



APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



01 PRE-INSTALLATION PLAN

- 1

Verify the complete NFCP501-W15 S2 marking and its assigned Yokogawa STARDOM FCN-500 autonomous controller position before work.
- 2

Place the connected autonomous process control process in the approved maintenance state.
- 3

Isolate applicable power and controller logic, redundant sb-bus i/o, ethernet and rs-232-c communications field energy before disconnecting conductors.
- 4

Record connector, conductor, address, firmware and software identities before removal.
- 5

Use ESD controls and protect keyed interfaces, exposed contacts and electronic assemblies.

MATCHED HARDWARE

- FCN-500 base unit
- SB-bus I/O modules
- SDHC engineering card
- STARDOM engineering and network configuration

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	NFCP501-W15 S2 / NFCP501-W15 S2 recorded
Physical interface	FCN-500 base unit
Companion check	SB-bus I/O modules
Functional proof	Uses a 1.46 GHz Intel Atom processor
Application test	Autonomous process control

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
CPU	Intel Atom E3815, 1.46 GHz
Style	S2
Main memory	256 MB with ECC
SRAM	2 MB with ECC, battery backed
Onboard flash	1 GB
SD card	SDHC 4 to 32 GB, Class 10
Ethernet ports	2 RJ45
Ethernet speed	10/100/1000 Mbit/s
Serial interface	RS-232-C, D-sub 9-pin male
Serial rate	Up to 115.2 kbit/s
Serial mode	Asynchronous, full- or half-duplex
I/O bus	Redundant SB bus
Diagnostics	Watchdog timer and temperature monitoring
Battery capacity	1000 mAh

FIELD NOTE

Verify NFCP501-W15 S2, processor operating mode, Ethernet addresses, serial parameters, SB-bus configuration, SDHC contents and battery condition before replacement; confirm duplex synchronization and all controller diagnostics after restart.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	NFCP501-W15 S2 / NFCP501-W15 S2 recorded
Physical interface	FCN-500 base unit
Companion check	SB-bus I/O modules
Functional proof	Uses a 1.46 GHz Intel Atom processor
Application test	Autonomous process control

04 RETURN-TO-SERVICE RECORD

- ☐
- Confirm the installed FCN-500 base unit and SB-bus I/O modules against the approved project.
- ☐
- Restore power in a controlled sequence and review device, network and host diagnostics.
- ☐
- Prove the intended remote utility station automation function and retain the final test result.
- ☐
- Confirm the intended process response before normal operation.

VERIFICATION RECORD

PRODUCT IDENTITY	NFCP501-W15 S2
INSTALLED POSITION	Documented Yokogawa STARDOM FCN-500 autonomous controller position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
Siemens 6SE7027-2TD84-6HF3	Related industrial automation product	View Siemens 6SE7027-2TD84-6HF3 page
Siemens 6RY1803-0AA25-0AA1	Related industrial automation product	View Siemens 6RY1803-0AA25-0AA1 page
Siemens 6SE7035-1EJ84-1JC1	Related industrial automation product	View Siemens 6SE7035-1EJ84-1JC1 page
Siemens 6SE7033-7EG84-1JF1	Related industrial automation product	View Siemens 6SE7033-7EG84-1JF1 page
Siemens 6SL3352-6TG38-8AA3	Related industrial automation product	View Siemens 6SL3352-6TG38-8AA3 page
Siemens 6SE7041-2WL84-1JC1	Related industrial automation product	View Siemens 6SE7041-2WL84-1JC1 page
Siemens 6SL3120-2TE21-8AC0	Related industrial automation product	View Siemens 6SL3120-2TE21-8AC0 page
Siemens 6RY1803-1DA04	Related industrial automation product	View Siemens 6RY1803-1DA04 page

SOURCE IDENTIFIERS

Yokogawa STARDOM FCN-500 technical information and general specification
TI 34P02A13-01E; BU 34P02A00-81

APTER POWER SALES TEAM

WHATSAPP / PHONE	+86 180 3023 5313
EMAIL	sales13@apterpower.com
WEBSITE	www.apterpower.com

