

E2 bus interface module Key Specifications

Item	Specification
Module name / Model	E2 bus interface module / N2EB100
Maximum number of bus lines	2
Maximum number of extension units	8 (total of 2 lines)
Maximum number of I/O modules	79 (single CPU, single unit extension bus)
Maximum transmission distance	100 m/between units *Extendable with fiber optic cable
Transmission cable	UTP straight cable CAT5e or higher (General Ethernet cable)
Duplex configuration	Possible
Baud rate	100 Mbps
Ambient temperature range	-20~70 °C

Process Control PLC

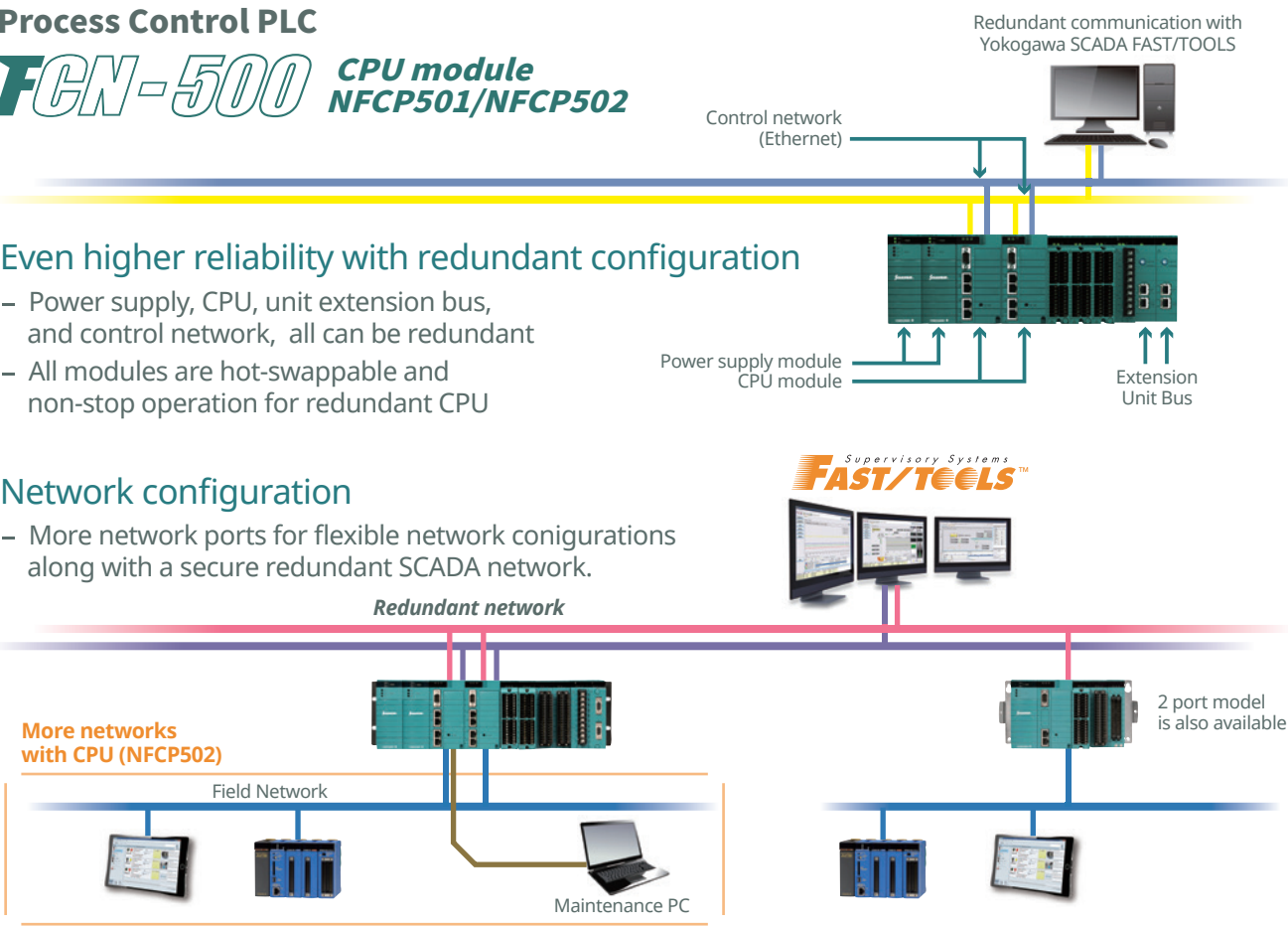
FCN-500 CPU module
NFCP501/NFCP502

Even higher reliability with redundant configuration

- Power supply, CPU, unit extension bus, and control network, all can be redundant
- All modules are hot-swappable and non-stop operation for redundant CPU

Network configuration

- More network ports for flexible network configurations along with a secure redundant SCADA network.



Co-innovating tomorrow is a registered trademark of Yokogawa Electric Corporation.

YOKOGAWA ELECTRIC CORPORATION <http://www.yokogawa.com/>
World Headquarters
9-32, Nakacho 2-chome, Musashino-shi, Tokyo 180-8750, Japan

YOKOGAWA CORPORATION OF AMERICA <http://www.yokogawa.com/us/>

YOKOGAWA EUROPE B.V. <http://www.yokogawa.com/eu/>

YOKOGAWA ENGINEERING ASIA PTE. LTD. <http://www.yokogawa.com/sg/>

YOKOGAWA CHINA CO., LTD. <http://www.yokogawa.com/cn/>

YOKOGAWA MIDDLE EAST & AFRICA B.S.C. (c) <http://www.yokogawa.com/bh/>



<http://STARDOM.biz/>

Printed in Japan, 711(KP) [Ed : 01/d]

Co-innovating tomorrow®

YOKOGAWA



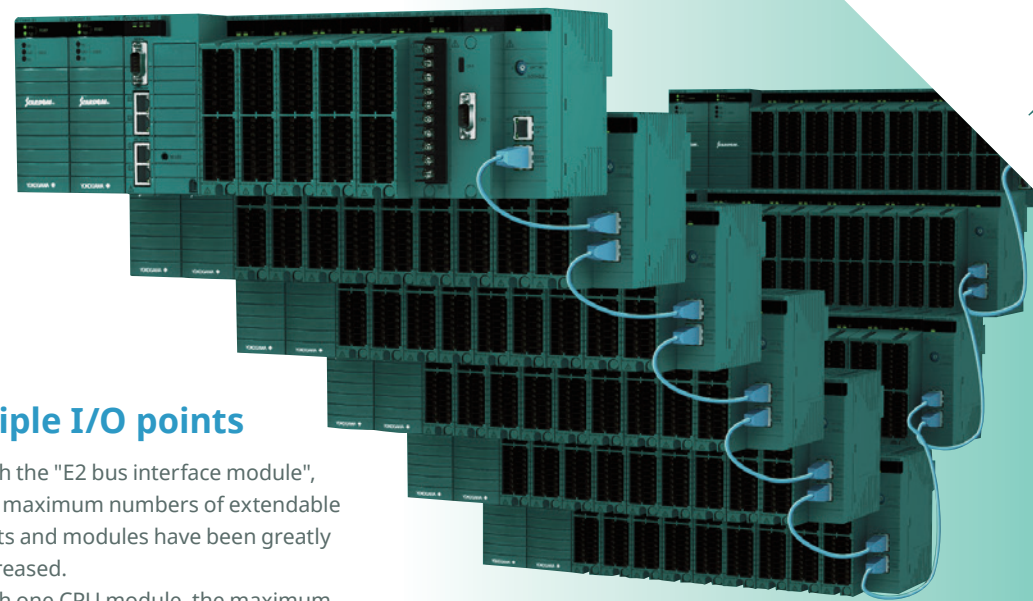
STARDOM
FCN-500 N2EB100

E2 bus interface module



The birth of N2EB100: E2 bus interface module for unit extension

Excellent Scalability



Triple I/O points

With the "E2 bus interface module", the maximum numbers of extendable units and modules have been greatly increased.

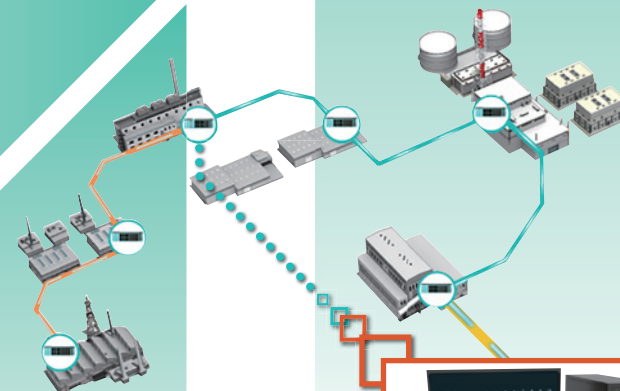
With one CPU module, the maximum number of units that can be controlled is three times greater (9 units), and the maximum number of modules is 79. Now it can also support larger systems.

Flexibility in base module size

A more compact base module has been added to the existing lineup. Select from three sizes of base module depending on the application for more effective use of space.



Excellent Scalability and **Excellent Reliability**
The FCN-500 has evolved
with **Excellence ×2**



100 times the range

The I/O modules can be remotely distributed. The maximum transmission distance between units has been extended to 100 m. The total distance is up to 800 m, 100 times farther than before. By converting the copper cable to fiber optic cable, the distance can be extended even further.

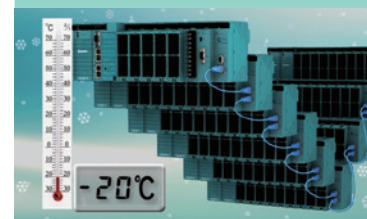
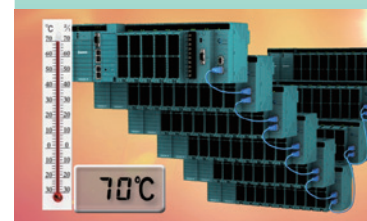
The FCN-500 STARDOM autonomous controller is a reliable platform that keeps you competitive in a rapidly changing market.

- Adapted to complex applications with a high speed CPU and gigabit Ethernet communication
- Increased uptime and reduced inventory by use of hot-swappable modules shared between single and redundant configurations
- Reduced engineering and maintenance hours by reuse of program components



Duplex bus

Duplex configuration is available for the "E2 bus interface module." With the duplex "E2 bus interface module", the control does not stop even in case of a bus line failure, ensuring a highly reliable system.



High environmental resistance

As the ambient temperature range of each distributed unit is -20 to 70 degrees Celsius, the units can operate stably in harsh environments.

Excellent Reliability

High maintainability

Remotely distributed units have high maintainability such as through module status indication and hot-swappable module change during operations.

