ETHERNET Controller 2.0

The Game Changer!

WAGO®

INNOVATIVE CONNECTIONS

Seize the Game with Ethernet 2.0 ...

For automation engineers who strive to enhance machine or process performance, speed system development and reduce automation costs, the WAGO Ethernet 2.0 family of programmable controllers provide game-changing flexibility and a proven architecture that simply works in process and factory automation applications.

Highlighted Features

- 60% more control and maintenance budget without sacrificing performance or support
- 1,000 instructions in 235µs with high-speed processing power onboard
- Up to 5x smaller than other PLCs, allowing you to put more in the same enclosure or use smaller enclosures

All in the Family

- Web-based management and visualization
- 2 MB for web server functions
- Tested Ethernet network security
- Access to over 400 digital, analog and special function I/O modules
- 24-month warranty, free technical support and free factory training

750-881 – The Pacesetter

Eliminates additional networking hardware due to the built-in Ethernet switch and allows line topology wiring of the Ethernet network. Both Ethernet ports support auto-negotiate and auto-MDI(X).

- High-speed multitasking processor
- 1MB program memory, 512KB data memory
- Integrated Ethernet switch
- Fieldbuses: EtherNet/IP, Modbus TCP [1]
- Protocols: HTTP, BootP, DHCP, DNS, SNTP, SNMP, FTP
- IP-Address over DIP switch or software

**750-881 –
The Pacesetter**

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Elektronik
Product of the Year
2011

CONTROL ENGINEERING
ENGINEERS' CHOICE AWARDS

750-880 – The Memory Master

SD card slot mobilizes up to 32 Gigabytes of memory. Ideal for expansion of memory, program backup and restore, program recipe exchange and data logging.

- SD card slot
- 1MB program memory, 1MB data memory
- Integrated Ethernet switch
- Fieldbuses: EtherNet/IP, Modbus TCP [1]
- Protocols: HTTP, BootP, DHCP, DNS, SNTP, SNMP, FTP
- IP-Address over DIP switch or software
- -20℃ to +60℃ wide temperature option *

*750-880/025-000

CONTROL ENGINEERING
ENGINEERS' CHOICE AWARDS

**750-880 –
The Memory Master**

[1] Both Modbus/TCP (UDP) and EtherNet/IP communication are built into the controller. Controller can be configured via web based management or Ethernet settings to communicate via Modbus/TCP only, EtherNet/IP only, or both Modbus/TCP and EtherNet/IP.

750-882 – The Redundancy Expert

Redundant networking with independent Ethernet ports. If one network or server fails, the redundant communication path can use the second interface. If no redundant network is required, it can also address two separate networks (e.g., machine and office) for increased network and system availability.

- Dual Independent Ethernet ports
- 1MB program memory, 512KB data memory
- Fieldbuses: Modbus TCP
- Protocols: HTTP, BootP, DHCP, DNS, FTP
- IP-Address over DIP switch or software

**750-882 –
The Redundancy Expert**

750-885 – The Combo

Combination of SD card slot and independent Ethernet ports. The SD Card can be used to expand the memory up to 32GB for data logging, recipe exchange or program back-up and restore. The independent Ethernet ports are for applications that require redundant networking or for communications on two separate networks.

- SD card slot
- Dual independant Ethernet ports
- 1MB program memory, 1MB data memory
- Fieldbus: Modbus TCP
- Protocols: HTTP, DNS, FTP, BootP, DHCP
- IP-Address over DIP switch or software
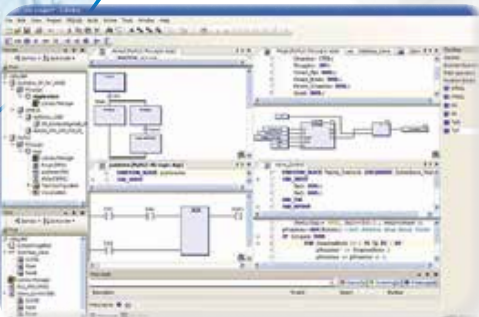- -20°C to +60°C wide temperature option*

*750-885/025-000

**750-885 –
The Combo**

759-333 – The Software Solution

Programming and visualization tool supporting six IEC61131-3 programming languages.

- Languages: Ladder Diagram, Function Block, Continuous Function Block, Structured Text, Sequential Function Chart, Instruction List
- Integrated visualization
- Web page development
- Offline simulation
- 32 program tasks
- Network variables
- Online debugging tools
- Online program changes
- No maintenance fees
- No renewal fees
- No cost upgrades

**759-333 –
The Software Solution**