

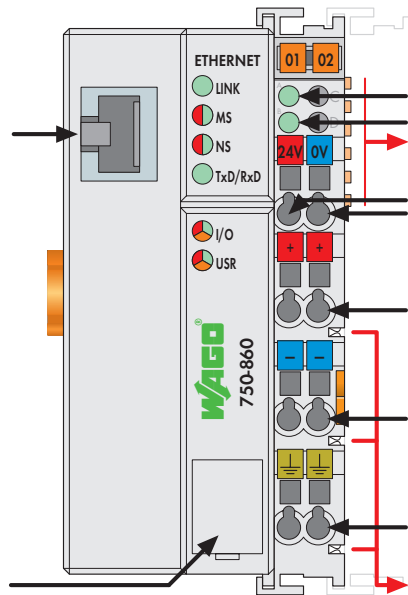
Linux® Programmable Fieldbus Controller

ETHERNET 10/100 Mbps/s; digital and analog signals



Fieldbus connection RJ-45

Configuration interface



Status voltage supply
-System
-Power jumper contacts
Data contacts

Supply
24 V
0 V

Supply via power jumper contacts
24 V

0 V



Power jumper contacts

With the Linux ETHERNET controller, a platform is now available for a high-level language software running on an open operating system.

The Linux operating system (kernel version 2.6), which is tailor-made for the embedded controller, allows an efficient software development as known from PC application areas.


Free availability of Linux source code and license-free use of the operating system are the major advantages of the Linux operating system.

The Linux ETHERNET controller can be used in a wide variety of applications in which only special hardware or small PC systems are used.

Usually, software development is also performed in a Linux environment and is supported by descriptive examples.

Support:

Owing to the complexity of the open Linux ETHERNET controller and WAGO-I/O-IPC, the large number of application options and related error sources, WAGO will only provide a hardware support for these versions. The user must directly address the other product partners for the required software support (this may have an additional fee).

Description	Item no.	Pack. unit
Linux ETHERNET Controller	750-860	1
Accessories		
Miniature WSB Quick marking system		
 plain	248-501	5
with marking	see Full Line Catalog 08/09 Volume 3, Section 1	
Linux Controller Distribution CD	759-914	
Approvals		
Conformity marking	CE	
UL 508		
ANSI/ISA 12.12.01	Class I Div2 ABCD T4	
EN 60079-15	I M2 / II 3 GD Ex nA IIC T4	

System Data	
No. of controllers connected to Master	limited by ETHERNET specification
Transmission medium	Twisted Pair S-UTP 100 Ω Cat. 5
Max. length of fieldbus segment	100 m between hub station and 750-860; max. length of network limited by ETHERNET specification
Baud rate	10/100 Mbps/s
Buscoupler connection	RJ-45
Protocols	MODBUS/TCP, HTTP, BootP, DHCP, DNS, SNTP, FTP, NFS

