

# Ethernet Security Data Sheet

0750-0881



## 10/100 MBit/s Ethernet Controller for WAGO-I/O-System

Description	
Type	Active device
Operating System	Nucleus
Network interfaces (RAS, built-in modem, network gateways)	10/100 MBit
Backup, replacement features / procedures	See user manual
Firmware version	2
Firmware update possible	Firmware update via serial interface & Ethernet
External interfaces (FDD, CD-ROM, USB, etc.)	Local serial interface (special cable necessary)
Behaviour on power loss	Reset
Behaviour on network communication loss	Optional
Certifications	CE, UL, GL
Implemented Security features	Network features
<input type="checkbox"/> Firewall, not configurable	<input checked="" type="checkbox"/> Needs / provides DHCP
<input type="checkbox"/> Firewall, configurable	<input checked="" type="checkbox"/> Manageable
<input type="checkbox"/> Virus protection	<input type="checkbox"/> MAC-address based authentication
<input type="checkbox"/> Data encryption	
<input type="checkbox"/> Intrusion detection	
<input checked="" type="checkbox"/> Robustness, stack overflow protection	
<input type="checkbox"/> Redundancy possible	
<input checked="" type="checkbox"/> Secure remote maintenance	
<input checked="" type="checkbox"/> Access control, user levels	
<input checked="" type="checkbox"/> Local user access possible	
<input checked="" type="checkbox"/> Supports user authentication, manageable	
	Service and Maintenance
	<input type="checkbox"/> Logging
	<input checked="" type="checkbox"/> Ready for remote maintenance
	<input checked="" type="checkbox"/> Provides local configuration
	<input checked="" type="checkbox"/> Provides remote configuration
Safety tests	
Test	Nessus Netzwerk-Scan
Configuration	0750-881 + AMD0001
Test program	Version: Nessus 3.0.5 Build W312
Description:	
Hamburger Liste 1_0	Nessus-Test was realised acc. to policy "Hamburger Liste 1_0". Simultaneous there is the field bus communication with test node (SADM0001 in Loops).
Standard Nessus-Plugin-List	Nessus-Test acc. to Standard-Nessus-Plugin-List. Simultaneous there is the field bus communication with test node (SADM0001 in Loops).

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Network ports and services											
Service	Port	TCP	UDP	Client	Server	Protectable	Can be disabled	Needed for operation	Service & maintenance	Optional	Description
Modbus_TCP	502	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exchange process data
Modbus_UDP	502	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exchange process data
Ethernet_IP	44818	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exchange process data
Ethernet_IP	2222	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exchange process data
CoDeSys	2455	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	IEC-1131 programming
WebVisualisation	80	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CoDeSys Web-Visualisation
HTTP	80	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Configuration/ GUI, GET, HEAD, POST. Other requests will be not processed by the web server.
FTP	21	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	File transfer
SNMP	161	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Network management: Request
SNMP	162	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Network management: send traps
SNTP	123	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Time synchronisation
ARP	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Address resolution
ICMP	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	As Example "Ping"
BootP	67, 68	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
DHCP	67, 68	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	IP-Assignment
DNS	53	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Name resolution
Custom Ports	Individual	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Socket based programming
WAGO Service	6626	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Firmware update via Ethernet