

## Entry Line Device Server RS-232/422/485 to IP

- **Easy handling (Plug & Play)**
- **Reliable and cost effective conversion to Ethernet**
- **Suitable for RS-232/422/485**
- **Optional with fiber interface**
- **Emulation with virtual COM-Port**
- **Windows Software included**
- **Compact design for DIN-rail mounting**
- **Extended temperature range**



The Device Server allows a fast and easy network connection of serial devices with RS-232/422/485 interfaces. The use is universal and independent of the type of the serial interface. The transmission is realised by using the IP protocol. For the connection to the Ethernet network the device is equipped with one RJ-45 port (10/100Base-TX) or fiber uplink (100Base-FX).

The devices are very compact and designed for the mounting on DIN-rails. The Windows software for the detection, monitoring and configuration of the devices is included at delivery. For operation there is a virtual COM port emulated on the PC. Furthermore there are TCP-Server and -Client services supported.

The access to the management of this device is possible by SNMP or web based interface (https, SSH or SSL). For additional security the device has an option for tunnelling the serial data and to limit the IP-addresses, allowed to access the device. In case of any special event the device is able to send a notification via SNMP or e-mail.

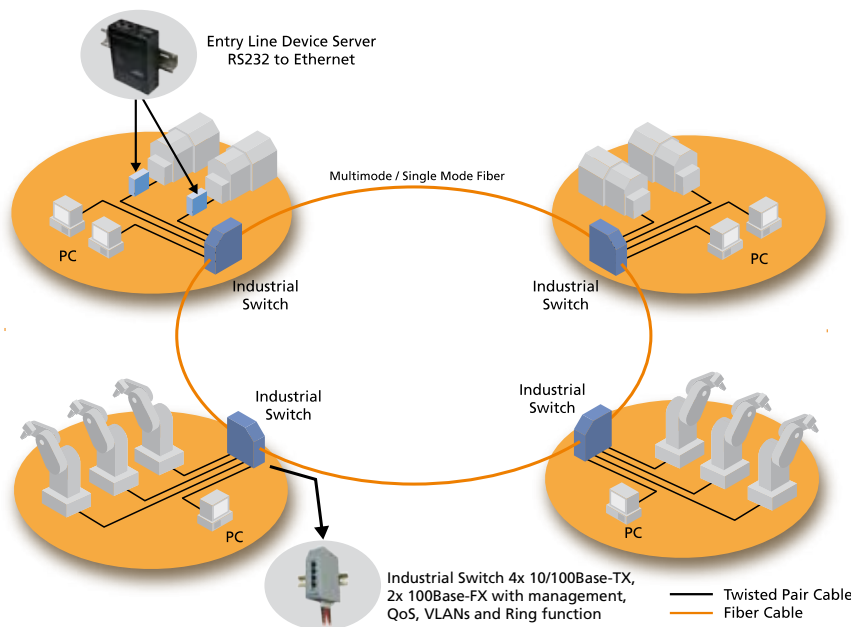
Via a pluggable connector the power supply can be realised externally by power supplies with a voltage of 12 - 48 V DC. Therefore the device can also be used in telecommunication or power distribution centres (redundant supply possibly). A relay contact allows the monitoring of the devices.

All new Entry Line devices distinguish themselves with easy handling (Plug & Play) and do not need extensive configuration. New developments are focussing on increasing the port numbers.

For applications requiring higher network complexity, the enhanced line of MICROSENS Industrial Switches offers an extended reliability with redundant ring structures and extensive management features.

# Entry Line Device Server RS-232/422/485 to IP

## Application



## Ordering Information

Art.-No.	Description	Connectors
MS655400	Industrial Ethernet Device Server, Entry Line, 1x RS-232/422/485 to 2x 10/100Base-TX	2x RJ-45, 1x SUBD9 2x Power, 1x Alarm
MS655401	Industrial Ethernet Device Server, Entry Line, 1x RS-232/422/485 to 1x 100Base-FX Multimode 1310 nm SC	1x SC duplex, 1x SUBD9 2x Power, 1x Alarm
MS655402	Industrial Ethernet Device Server, Entry Line, 1x RS-232/422/485 to 1x 100Base-FX Multimode 1310 nm ST	1x ST duplex, 1x SUBD9 2x Power, 1x Alarm
MS655403	Industrial Ethernet Device Server, Entry Line, 1x RS-232/422/485 to 1x 100Base-FX Single Mode 1310 nm SC 30 km	1x SC duplex, 1x SUBD9 2x Power, 1x Alarm
MS655404	Industrial Ethernet Device Server, Entry Line, 1x RS-232/422/485 to 1x 100Base-FX Single Mode 1310 nm ST 30 km	1x ST duplex, 1x SUBD9 2x Power, 1x Alarm

## Accessories

Art.-No.	Description	Connectors
MS700420	DIN-rail power supply 24 Watt 24 V / 1.0 A, wide range input 85-264 VAC	In: 3-pin Out: 2-pin
MS700421	DIN-rail power supply 60 Watt 24 V / 2.5 A, wide range input 85-264 VAC	In: 3-pin Out: 5-pin
MS700422	DIN-rail power supply 120 Watt 24 V / 5 A, wide range input 85-264 VAC	In: 3-pin Out: 5-pin
MS700434	DC/DC DIN-rail power supply 24 Watt 24 V/1.0 A, wide range input 18-75 V DC	In: 3-pin Out: 2-pin

Further products on request.

MICROSENS reserves the right to make any changes without further notice to any product to improve reliability, function or design. MICROSENS does not assume any liability arising out of the application or use of any product.  
1407/jr/fr

## Technical Specifications

### Type

RS-232/422/485 to Ethernet (IP) Device Server for industrial use

### Fiber type

Multimode 50 or 62.5/125 µm duplex,  
Single Mode 9/125 µm, duplex

### Cable type serial

Twisted Pair cable, SUB-D9 (male)

### Cable type Ethernet

Shielded Twisted Pair cable, 100 Ohm,  
Category 5, RJ-45

### Data rate

up to 460.8 Kbps

### LED displays

PWR 1 / Ready:

1) *Red On*: Power is on and booting up.  
*Red Blinking*: Indicates an IP conflict, or DHCP or BOOTP server did not respond properly.

2) *Green On*: Power is on and functioning normally.

*Green Blinking*: Located by Administrator's Location function.

PWR 2 / Ready:

1) *Red On*: Power is on and booting up.  
*Red Blinking*: Indicates an IP conflict, or DHCP or BOOTP server did not respond properly.

2) *Green On*: Power is on and functioning normally.

*Green Blinking*: Located by Administrator's Location function.

Eth1 Link / ACT:

*Orange Blinking*: 10 Mbps Ethernet;  
*Green Blinking*: 100 Mbps Ethernet

Eth2 Link / ACT:

*Orange Blinking*: 10 Mbps Ethernet;  
*Green Blinking*: 100 Mbps Ethernet

TX / RX:

Serial port is receiving data (Orange);  
Serial port is transmitting data (Green).

### Utilities

Management Utility for Windows  
NT/2000/XP/2003

### Management

Web, Windows Management Utility,  
SNMP and Telnet

### Mounting

35 mm DIN-rail, according  
DIN EN 50 022 and wall mount

### Power supply

12 - 48 VDC / connections with screw  
terminal, redundant port

### Dimensions

72 x 32 x 100 mm (w x d x h)

### Operating temperature

-10°C to 60°C

### Storage temperature

-40°C to 85°C

### Rel. humidity

5% to 95% non condensing

### EMC

FCC Class A,  
CE Class A

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