

# Ethernet Mini Hub

## 5 Port 10Base-T with LWL Link

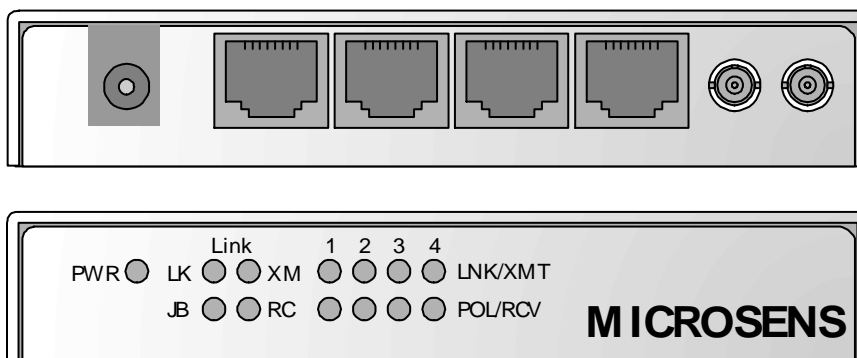
### MS451102 (Single Mode)

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## Technical data

<b>Type</b>	Ethernet Repeater according IEEE 802.3	
<b>Connectors</b>	4 x RJ45 Modular Jack crossed for end devices 2 x ST connectors as Link-Port 1 x Power connector 2.1 mm	
<b>Data rate</b>	10 Mbps	
<b>Cable type</b>	Shielded Twisted Pair Cable Category 5	
<b>Max. Segment length</b>	100 m	
<b>Fiber type</b>	Single Mode 9/125 µm, duplex, ST-connectors	
<b>Wavelength</b>	1300 nm	
<b>Opt. Power</b>	-24 dBm/850 nm (min, 9/125µm)	
<b>Opt. Sensitivity</b>	-32.5 dBm (min)	
<b>Max. Distance</b>	5 km	
<b>LED display</b>	<i>Power</i>	Device operational
	<i>Receive</i>	Data received on Port
	<i>Transmit</i>	Data transmitted on port
	<i>Link</i>	Connection correct
	<i>Polarity</i>	TP-wires have wrong polarity
<b>Power supply</b>	12 V DC / max. 400 mA	
<b>Dimensions</b>	114 x 80 x 21 mm (w x d x h)	
<b>Operating temperature</b>	0°C to 55°C	
<b>Storage temperature</b>	-20°C to 85°C	
<b>Rel. Humidity</b>	5% to 80% non condensing	

## Connectors



## Ethernet Miniatur Hub 5 Port 10Base-T/10Base-FL

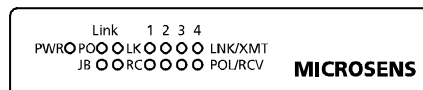
### Features

Mini Twisted-Pair-Hub with 5 Ports

- Very compact, economical design
- Cost effective, especially for small networks
- Optimized for small workgroups
- Automatic protection of the network, in case of failures in segments
- Link-Port for the connection of further repeaters

### LED displays

Various LEDs show the status of the repeater. They can be used for network diagnostics.



#### Repeater-Status

LED	Name	Description
PWR	Power	Device operational

#### Link Port-Status

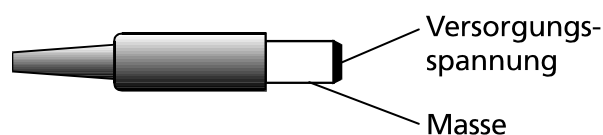
LED	Name	Description
LK	Link	LWL-connection correct
JB	Jabber	Failure in transmission
RC	Receive	FL data received
XM	Transmit	FL data transmitted

#### Port-Status

LED	on	flashing
LNK/XMT	TP-connection correct	Data transmitted
POL/RCV	TP-wires polarity crossed	Data received

### Power supply

The power supply of the repeater is done with an external power supply 12 V DC / max. 400 mA. The connector has the following pin out:



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