

# Industrial Ethernet switches

Safe and fast communication  
for your process.

Ethernet connections have become part of many areas of life. This global standard is also making inroads into automation technology. Ethernet switches have become quite common for safe networking and coupling between machines, or inside the system. They manage the data flow in an effective and target-oriented manner. The devices are designed to be very robust and are optimally suited to harsh industrial environments.







## Benefits:

- Redundant power supply
- Full compatibility according to IEEE 802.3, including autocrossing, autonegotiation, autosensing, auto-polarity
- Complete diagnostics display via various LEDs
- Compact design
- DIN rail mounting or screw connection
- Robust designs
- High degree of protection (IP40)



## Ethernet Switches (Fast Ethernet)


<p><b>wienet UMS 6-L</b></p> 	Type	Part No.
	<b>wienet UMS 6-L</b>	83.040.0000.1
<b>Technical Data</b>		
Number of ports	6 RJ45 ports	
Port types	6 x Ethernet and Fast Ethernet (10/100 Mbit/s)	
Store and forward switching mode	yes	
Autocrossing	yes	
Autonegotiation	yes	
Autosensing	yes	
Autopolarity	yes	
Full IEEE 802.3 compatibility	yes	
Line, star and network topologies are possible	yes	
Operating voltage	9 ... 30 V DC	
Redundant power supply	2 infeeds	
Diagnostic LEDs (power / link status / data / data rate)	yes / yes / yes / yes	
Operating temperature	0 ... +60 °C	
Dimensions (mm) W x H x D	45 x 90 x 80	
Housing	Thermoset	
Mounting	DIN rail and screw mounting	
Type of connectors	Screw terminal, pluggable	
Connector size	up to 1.5 mm <sup>2</sup> (AWG 16)	
Weight	160 g	
Degree of protection	IP 40	
Approvals	CE  FCC	

<p><b>wienet UMS 6</b></p> 	Type	Part No.
	<b>wienet UMS 6</b>	83.040.0000.0
<b>Technical Data</b>		
Number of ports	6 RJ45 ports	
Port types	6 x Ethernet and Fast Ethernet (10/100 Mbit/s)	
Store and forward switching mode	yes	
Autocrossing	yes	
Autonegotiation	yes	
Autosensing	yes	
Autopolarity	yes	
Full IEEE 802.3 compatibility	yes	
Line, star and network topologies are possible	yes	
Operating voltage	9 ... 30 V DC	
Redundant power supply	2 infeeds	
Diagnostic LEDs (power / link status / data / data rate)	yes / yes / yes / yes	
Operating temperature	0 ... +60 °C	
Dimensions (mm) W x H x D	45.3 x 90 x 90.5	
Housing	Aluminum extrusion	
Mounting	DIN rail and screw mounting	
Type of connectors	Screw terminal, pluggable	
Connector size	up to 1.5 mm <sup>2</sup> (AWG 16)	
Weight	250 g	
Degree of protection	IP 40	
Approvals	CE  FCC	

## Ethernet Switches (Fast Ethernet)


### wienet UMS 8




Type	Part No.
<b>wienet UMS 8</b>	83.040.0001.0
<b>Technical Data</b>	
Number of ports	8 RJ45-Ports
Port types	8 x Ethernet and Fast-Ethernet (10/100 Mbit/s)
Store and forward switching mode	yes
Autocrossing	yes
Autonegotiation	yes
Autosensing	yes
Autopolarity	yes
Full IEEE 802.3 compatibility	yes
Line, star and network topologies are possible	yes
Operating voltage	9 ... 30 V DC
Redundant power supply	2 infeeds
Diagnostic LEDs (power / link status / data / data rate)	yes / yes / yes / yes
Operating temperature	-10 ... +70 °C
Dimensions (mm) W x H x D	45.3 x 90 x 90.5
Housing	Aluminum extrusion
Mounting	DIN rail and screw mounting
Type of connectors	Screw terminal, pluggable
Connector size	up to 1.5 mm <sup>2</sup> (AWG 16)
Weight	270 g
Degree of protection	IP 40
Approvals	CE  FCC



## Ethernet Switches (Giga Ethernet)

<b>wienet UMS 8-G</b>		Type	Part No.
		<b>wienet UMS 8-G</b>	83.040.0106.0
		<b>Technical Data</b>	
Number of ports		8 x RJ45	
Port types		6 x Giga-Ethernet (10/100/1000 Mbit/s)	
Store and forward switching mode		yes	
Autocrossing		yes	
Autonegotiation		yes	
Autosensing		yes	
Autopolarity		yes	
Full IEEE 802.3 compatibility		yes	
Line, star and network topologies are possible		yes	
Operating voltage		9 ... 48 V DC	
Redundant power supply		2 infeeds	
Diagnostic LEDs (power / link status / data / data rate)		yes / yes / yes / yes	
Operating temperature		-10 ... +70 °C	
Dimensions (mm) W x H x D		45.3 x 90 x 90.5	
Housing		Metal	
Mounting		DIN rail and screw mounting	
Type of connectors		Screw terminal, pluggable	
Connector size		0.2 – 1.5 mm <sup>2</sup> (AWG 24–16)	
Weight		255 g	
Degree of protection		IP 50	
Approvals		CE i@us FCC	

<b>wienet UMS 8-2G</b>		Type	Part No.
		<b>wienet UMS 8-2G</b>	83.040.0103.0
		<b>Technical Data</b>	
Number of ports		10 RJ45-Ports	
Port types		8 x Ethernet and Fast-Ethernet (10/100 Mbit/s) 2 x Giga-Ethernet (10/100/1000 Mbit/s)	
Store and forward switching mode		yes	
Autocrossing		yes	
Autonegotiation		yes	
Autosensing		yes	
Autopolarity		yes	
Full IEEE 802.3 compatibility		yes	
Line, star and network topologies are possible		yes	
Operating voltage		12 ... 48 V DC	
Redundant power supply		2 infeeds	
Diagnostic LEDs (power / link status / data / data rate)		yes / yes / yes / yes	
Operating temperature		-40 ... +70 °C	
Dimensions (mm) W x H x D		54 x 146 x 130.5	
Housing		Aluminum extrusion	
Mounting		DIN rail and screw mounting	
Type of connectors		Screw terminal, pluggable	
Connector size		up to 1.5 mm <sup>2</sup> (AWG 16)	
Weight		1000 g	
Degree of protection		IP 40	
Approvals		CE i@us FCC	

# Ethernet Switches (with optical ports)

## wienet UMS 4-1FM



Type	Part No.
<b>wienet UMS 4-1FM</b>	83.040.0002.0
<b>Technical Data</b>	
Number of ports	4 x RJ45, 1 x ST (optical multi mode)
Port types	10/100BaseT(X), 100BaseFX
Store and forward switching mode	yes
Autocrossing	yes
Autonegotiation	yes
Autosensing	yes
Autopolarity	yes
Full IEEE 802.3 compatibility	yes
Line, star and network topologies are possible	yes
Operating voltage	9 ... 30 V DC
Redundant power supply	2 infeeds
Diagnostic LEDs (power / link status / data / data rate)	yes / yes / yes / yes
Operating temperature	-10 ... +70 °C
Dimensions W x H x D	45.3 x 90 x 90.5
Housing	Metal
Mounting	DIN rail and screw mounting
Type of connectors	Screw terminal, pluggable
Connector size	0.2 – 1.5 mm <sup>2</sup> (AWG 24 – 16)
Weight	260 g
Degree of protection	IP 50
Approvals	CE  FCC

## wienet UMS 4-1FS



Type	Part No.
<b>wienet UMS 4-1FS</b>	83.040.0003.0
<b>Technical Data</b>	
Number of ports	4 x RJ45, 1 x SC (optical single mode)
Port types	10/100BaseT(X), 100BaseFX
Store and forward switching mode	yes
Autocrossing	yes
Autonegotiation	yes
Autosensing	yes
Autopolarity	yes
Full IEEE 802.3 compatibility	yes
Line, star and network topologies are possible	yes
Operating voltage	9 ... 30 V DC
Redundant power supply	2 infeeds
Diagnostic LEDs (power / link status / data / data rate)	yes / yes / yes / yes
Operating temperature	-10 ... +70 °C
Dimensions W x H x D	45.3 x 90 x 90.5
Housing	Metal
Mounting	DIN rail and screw mounting
Type of connectors	Screw terminal, pluggable
Connector size	0.2 – 1.5 mm <sup>2</sup> (AWG 24 – 16)
Weight	260 g
Degree of protection	IP 50
Approvals	CE  FCC

