

# Ethernet components overview

Function Class		Installation Class			Swi					
<b>HARTING eCon</b> unmanaged	Plug & Play Store and Forward Switching Mode Non-Blocking Auto-Negotiation Auto-Polarity Auto-Crossing	<b>Inside</b> (IP 30 Protection Class)	<b>eCon 2000</b> - 3/4/5 Copper ports (RJ45) - Robust metal housing - Top-Hat rail mount - Optimum installation depth		<b>eCon 2030 -A</b> 3 RJ45		<b>eCon 2040 -A</b> 4 RJ45			
		<b>Inside</b> (IP 30 Protection Class)	<b>eCon 3000</b> - 1/6/8 Copper ports with optional 1/2 FO ports - Robust metal housing - Top-Hat Rail mount - Narrow form factor	<b>Without FO</b>		<b>eCon 3080 -A/-A2/-A4</b> 8 RJ45 also available with: - with narrowest housing (-A2) - Extended temperature range (-A4)		<b>eCon 3080 -A1</b> 8 RJ45	<b>FO</b>	
		<b>Inside</b> (IP 30 / IP 40 Protection Class)	<b>eCon 4000</b> - 8 Copper ports (M12 D-Coding) - Robust metal housing - EMC, temperature range and mechanical stability meet the highest requirements		<b>eCon 4080 -B1</b> 8 M12 D-Coding					
		<b>In-between</b> (IP 67 / IP 20 Protection Class)	<b>eCon 6000</b> - 5 Copper ports (3 RJ45 and 2 Han® 3 A RJ45 / M12 D-Coding) - Robust die-cast aluminium housing - Active Panel feed-through - EMC, temperature range and mechanical stability meet the highest requirements - Potential-free alarm contact	<b>5 Port</b>			<b>eCon 6050 -A</b> 3 RJ45, 2 Han® 3 A RJ45		<b>eCon 6050 -BA</b> 3 RJ45, 2 M12 D-Coding	
		<b>Outside</b> (IP 65 / IP 67 Protection Class)	<b>eCon 7000</b> - 5/10 Copper ports (Han® 3 A RJ45 or M12 D-Coding) - Robust die-cast zinc housing - EMC, temperature range and mechanical stability meet the highest requirements	<b>5 Port</b>			<b>eCon 7050 -A/-A1</b> - 5 Han® 3 A RJ45 - wide power input range (-A)		<b>eCon 7050 -B/-B1</b> - 5 M12 D-Coding - wide power input range (-B)	
<b>HARTING sCon</b> configurable	via USB-interface configurable through a graphic user interface	<b>Inside</b> (IP 30 Protection Class)	<b>sCon 3000</b> - 6/8/10 Copper ports (RJ45) and optional 1/2/3 FO ports (SC/ST) - Robust metal housing - Parallel-/ ring-redundancy - Top-Hat rail mounting - Potential-free alarm contact	<b>Without FO</b>		<b>sCon 3100 -A/AA</b> 10 RJ45, - Optionally with: - 2 RJ45 Gigabit	<b>FO</b>	<b>SC</b>		
<b>HARTING mCon</b> managed	SNMP V1 and V3 MIB II RSTP DHCP Client IGMP Snooping VLAN 802.1Q QoS Store and Forward Switching Mode Non-Blocking Auto-Negotiation Auto-Polarity Auto-Crossing Bandwidth-limiting Diagnosis	<b>Inside</b> (IP 30 Protection Class)	<b>mCon 3000</b> - 6 / 8 / 10 Copper ports (RJ45) and with optionally 1 / 2 / 3 FO-ports - Robust metal housing - Top-Hat rail mounting - Web management - Potential-free alarm contact	<b>Without FO</b>		<b>mCon 3100 -A</b> 10 RJ45	<b>FO</b>	<b>SC</b>		
		<b>Inside</b> (IP 30 / IP 40 Protection Class)	<b>mCon 4000</b> - 8 Copper ports (M12 D-Coding) - Robust metal housing - EMC, temperature range and mechanical stability meet the highest requirements - Web management		<b>mCon 4080 -B1</b> 8 M12 D-Coding					
		<b>In-between</b> (IP 67 / IP 20 Protection Class)	<b>mCon 6000</b> - 5 Copper ports (3 RJ45 and 2 Han® 3 A RJ45 / M12 D-Coding) - Robust die-cast aluminium housing - Active Panel feed-through - Potential-free alarm contact - Web-Management	<b>5 Port</b>			<b>mCon 6050 -A</b> 3 RJ45, 2 Han® 3 A RJ45		<b>mCon 6050 -BA</b> 3 RJ45, 2 M12 D-Coding	
		<b>Outside</b> (IP 65 / IP 67 Protection Class)	<b>mCon 7000</b> - 5/10 Copper ports (Han® 3 A RJ45 or M12 D-Coding) - Robust die-cast zinc housing - EMC, temperature range and mechanical stability meet the highest requirements - Web management	<b>5 Port</b>			<b>mCon 7050 -A/-A1</b> - 5 Han® 3 A RJ45 - Wide power input range (-A1)		<b>mCon 7050 -B/-B1</b> - 5 M12 D-Coding - Wide power input range (-B1)	
<b>HARTING pCon</b>	Industrial Power Supply 24 V	<b>Inside</b> (IP 20 Protection Class)	<b>pCon 2000</b> - World-wide application through wide input voltage range: 110 - 240 V AC - Operating temperature: 25°C to +70°C without derating - Fast installation without tools due to cage clamps - Active PFC			<b>pCon 2060 -24</b> Outlet socket: - 24 V / 2,5 A (60 W)		<b>pCon 2060 -48</b> Outlet socket: - 48 V / 1,25 A (60 W)	<b>Outside</b>	

# Types

# Application

<p><b>eCon 2050 -A</b> 5 RJ45</p>	<p><b>eCon 2050 -AA</b> 5 RJ45 Gigabit</p>		<p>Ethernet IEEE 802.3</p>	
<p><b>eCon 3061 -AD</b> 6 RJ45, 1 SC</p> <p><b>eCon 3061 -AE</b> 6 RJ45, 1 ST</p>	<p><b>eCon 3062 -AD/-AD2/-AF</b> 6 RJ45, 2 SC also available with: - Extended temperature range (-AD2) - Single mode (-AF)</p> <p><b>eCon 3062 -AE</b> 6 RJ45, 2 ST</p>	<p><b>eCon 3082 -AD</b> 8 RJ45, 2 SC</p> <p><b>eCon 3082 -AE</b> 8 RJ45, 2 ST</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);"><b>Converter</b></p> <p><b>eCon 3011 -AD</b> 1 RJ45, 1SC - 10/100 MB - PoE</p>	<p>Ethernet IEEE 802.3</p>
<p><b>eCon 9000</b></p> <ul style="list-style-type: none"> <li>- 7 -10 Copper ports (RJ45 or M12 D-Coding)</li> <li>- Robust metal housing</li> <li>- 19" rack mount</li> <li>- Small form-factor</li> </ul>	<p><b>eCon 9080 -B</b> 7 Han® M12 D-Coding +1</p>	<p><b>eCon 9070 -B</b> - 7 Han® M12 D-Coding - Power input on the front</p>	<p><b>eCon 9100 -AA</b> 8 RJ45, 2 RJ45 Gigabit</p>	<p>Ethernet IEEE 802.3</p>
<p style="writing-mode: vertical-rl; transform: rotate(180deg);"><b>Hybrid</b></p>	<p><b>eCon 6080 -HA</b></p> <ul style="list-style-type: none"> <li>- 6 RJ45,</li> <li>2 HARTING RJ Industrial® Hybrid</li> <li>- Redundant power inputs 18V - 30V DC</li> </ul>		<p>Ethernet IEEE 802.3</p>	
<p style="writing-mode: vertical-rl; transform: rotate(180deg);"><b>10 Port</b></p>	<p><b>eCon 7100 -A</b> 10 Han® 3 A RJ45</p> <p><b>eCon 7100 -B</b> 10 M12 D-Coding</p>	<p><b>eCon 7100 -AA</b> 8 Han® 3 A RJ45, 2 Han® 3 A RJ45 Gigabit</p>	<p>Ethernet IEEE 802.3</p>	
<p><b>sCon 3061 -AD/-AF</b> 6 RJ45, 1 SC</p> <p><b>sCon 3082 -AD/-AF</b> 8 RJ45, 2 SC</p> <p><b>sCon 3063 -AD</b> 6 RJ45, 3 SC</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);"><b>ST</b></p>	<p><b>sCon 3061 -AE</b> 6 RJ45, 1 ST</p> <p><b>sCon 3082 -AE</b> 8 RJ45, 2 ST</p> <p><b>sCon 3063 -AE</b> 6 RJ45, 3 ST</p>	<p>Ethernet IEEE 802.3</p>	
<p><b>mCon 3061 -AD</b> 6 RJ45, 1 SC</p> <p><b>mCon 3082 -AD</b> 8 RJ45, 2 SC</p> <p><b>mCon 3063 -AD</b> 6 RJ45, 3 SC</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);"><b>ST</b></p>	<p><b>mCon 3061 -AE</b> 6 RJ45, 1 ST</p> <p><b>mCon 3082 -AE</b> 8 RJ45, 2 ST</p> <p><b>mCon 3063 -AE</b> 6 RJ45, 3 ST</p>	<p>Ethernet IEEE 802.3</p> <p>EtherNet/IP</p>	
<p><b>mCon 9000</b></p> <ul style="list-style-type: none"> <li>- 7 -10 Copper ports</li> <li>- Robust Metal housing</li> <li>- 19" rack mount</li> <li>- Small form-factor</li> </ul>	<p><b>mCon 9080 -B</b> 7 Han® M12 D-Coding +1</p>	<p><b>mCon 9070 -B</b> - 7 Han® M12 D-Coding - Power input on the front</p>	<p><b>mCon 9100 -AA</b> 8 RJ45, 2 RJ45 Gigabit</p>	<p>Ethernet IEEE 802.3</p> <p>EtherNet/IP</p>
			<p>Ethernet IEEE 802.3</p> <p>EtherNet/IP</p>	
<p style="writing-mode: vertical-rl; transform: rotate(180deg);"><b>10 Port</b></p>	<p><b>mCon 7100 -A1/-AA</b> - 10 Han® 3 A RJ45 - optionally with 2 Gigabit (-AA)</p> <p><b>mCon 7100 -B1</b> 10 M12 D-Coding</p>	<p><b>mCon 7100 -A2</b> - 10 Han® 3 A RJ45 - With configuration memory interface</p> <p><b>mCon 7100 -B2</b> - 10 M12 D-Coding - With configuration memory interface</p>	<p>EtherNet/IP</p>	
<p style="writing-mode: vertical-rl; transform: rotate(180deg);"><b>(IP 65 / IP 67 Protection Class)</b></p> <p><b>pCon 7000</b></p> <ul style="list-style-type: none"> <li>- Robust die-cast zinc housing</li> <li>- Worldwide application through wide range of input voltage: 110 - 240 V AC</li> <li>- Operating Temperature: -25 °C - +75 °C</li> <li>- Power input socket: Han® 4 A</li> <li>- Active PFC</li> </ul>	<p><b>pCon 7095 -24A</b></p>	<p><b>pCon 7095 -24A</b> Outlet socket: 2 Han® 4 A with 24 V / 4 A (95 W)</p> <p><b>pCon 7095 -24B</b> Outlet socket: 2 M12 A-Coding with 24 V / 4 A (95 W)</p>		