

# The Telkonet iWire System™



System Component	Telkonet Gateway	Telkonet eXtender™	Telkonet iBridge™
<b>LED Descriptions</b>	<ul style="list-style-type: none"> <li>• WAN — Link/Activity</li> <li>• LAN — Link/Activity</li> <li>• PLC — Link/Activity</li> <li>• Power</li> </ul>	<ul style="list-style-type: none"> <li>• ETH — Ethernet Link/Activity</li> <li>• PLC — Link/Activity</li> <li>• Power</li> </ul>	<ul style="list-style-type: none"> <li>• ETH — Ethernet Link/Activity</li> <li>• PLC — Link/Activity</li> <li>• Power</li> <li>•</li> </ul>
<b>Power Line Carrier Interface</b>	<ul style="list-style-type: none"> <li>• 75Ω F-type connector</li> <li>• Adaptive physical layer adjusts to varying channel conditions with speeds up to 14 Mbps</li> <li>• Network layers speeds of 7 Mbps (rate varies based on channel conditions)</li> <li>• Adaptive physical layer makes use of usable bandwidth</li> <li>• 56-bit DES security</li> <li>• Supports up to 1,023 Telkonet iBridges per Telkonet Gateway</li> </ul>	<ul style="list-style-type: none"> <li>• 75Ω F-type connector</li> <li>• Adaptive physical layer adjusts to varying channel conditions with speeds up to 14 Mbps</li> <li>• Network layers speeds of 7 Mbps (rate varies based on channel conditions)</li> <li>• Adaptive physical layer makes use of usable bandwidth</li> <li>• 56-bit DES security</li> <li>• Supports up to 63 Telkonet eXtenders per Telkonet Gateway</li> </ul>	<ul style="list-style-type: none"> <li>• IEC 320 AC line cord</li> <li>• Adaptive physical layer adjusts to varying channel conditions with speeds up to 14 Mbps</li> <li>• Network layers speeds of 7 Mbps (rate varies based on channel conditions)</li> <li>• Adaptive physical layer makes use of usable bandwidth</li> <li>• 56-bit DES security</li> </ul>
<b>WAN Interface</b>	<ul style="list-style-type: none"> <li>• One 10/100 base T port</li> <li>• Auto-MDIX (auto crossover) support</li> </ul>	_____	_____
<b>LAN Interface</b>	<ul style="list-style-type: none"> <li>• One 10 base T port</li> <li>• Auto-MDIX (auto crossover) support</li> </ul>	_____	_____
<b>Ethernet Interface</b>	_____	<ul style="list-style-type: none"> <li>• One 10 base T port</li> <li>• Auto-MDIX (auto crossover) support</li> </ul>	<ul style="list-style-type: none"> <li>• One 10 base T port</li> <li>• Auto-MDIX (auto crossover) support</li> </ul>
<b>Ethernet Interface Cable</b>	<ul style="list-style-type: none"> <li>• 7 feet, RJ-45, CAT 5 cable</li> </ul>	<ul style="list-style-type: none"> <li>• 7 feet, RJ-45, CAT 5 cable</li> </ul>	<ul style="list-style-type: none"> <li>• 7 feet, RJ-45, CAT 5 cable</li> </ul>
<b>Operational Temperature</b>	<ul style="list-style-type: none"> <li>• 0°C to 50°C non-condensing</li> </ul>	<ul style="list-style-type: none"> <li>• 0°C to 50°C non-condensing</li> </ul>	<ul style="list-style-type: none"> <li>• 0°C to 50°C non-condensing</li> </ul>
<b>Storage Temperature</b>	<ul style="list-style-type: none"> <li>• -20°C to 70°C</li> </ul>	<ul style="list-style-type: none"> <li>• -20°C to 70°C</li> </ul>	<ul style="list-style-type: none"> <li>• -20°C to 70°C</li> </ul>
<b>Power/Input Rating</b>	<ul style="list-style-type: none"> <li>• 100–240 VAC, 0.25 amps, 50/60 Hz</li> </ul>	<ul style="list-style-type: none"> <li>• 100–240 VAC, 0.25 amps, 50/60 Hz</li> </ul>	<ul style="list-style-type: none"> <li>• 100–240 VAC, 0.25 amps, 50/60 Hz</li> </ul>
<b>Regulatory Compliance</b>	<ul style="list-style-type: none"> <li>• TUV Rheinland Certified:</li> <li>• UL/ANSI 60950 Listed, IEC 60950-1</li> <li>• FCC Part 15</li> <li>• Complies with IC: ICES-0006; en conformité avec IC: NMB-006</li> </ul>	<ul style="list-style-type: none"> <li>• TUV Rheinland Certified:</li> <li>• UL/ANSI 60950 Listed. IEC 60950-1</li> <li>• FCC Part 15</li> <li>• Complies with IC: ICES-0006; en conformité avec IC: NMB-006</li> </ul>	<ul style="list-style-type: none"> <li>• TUV Rheinland Certified:</li> <li>• UL/ANSI 60950 Listed, IEC 60950-1</li> <li>• FCC Part 15</li> <li>• Complies with IC: ICES-0006; en conformité avec IC: NMB-006</li> </ul>
<b>Physical Characteristics</b>	<ul style="list-style-type: none"> <li>• Length: 6.2 inches, 157mm</li> <li>• Width: 5.6 inches, 142mm</li> <li>• Height: 1.1 inches, 28mm</li> </ul>	<ul style="list-style-type: none"> <li>• Length: 5.8 inches, 147mm</li> <li>• Width: 4.8 inches, 122mm</li> <li>• Height: 1.1 inches, 28mm</li> </ul>	<ul style="list-style-type: none"> <li>• Length: 5.8 inches, 147mm</li> <li>• Width: 4.3 inches, 109mm</li> <li>• Height: 1.1 inches, 28mm</li> </ul>

**Ordering and Product Warranty** One-year standard warranty. Extended warranty available.

**Customer Service** 24/7 customer service/technical assistance is available.

**Note:** These products are intended for use only in conjunction with Telkonet iWire System™ and are not intended for use with other electrical products.

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