



# LinkBone Switch

## Short specifications

**Type: 8x8 Matrix/Dual 8x8 Matrix**

Version 0.1



<ul style="list-style-type: none"> <li>▪ <b>Characteristics of A to P ports:</b> <ul style="list-style-type: none"> <li>○ <b>Bandwidth (-3dB)</b></li> <li>○ <b>Insertion loss</b></li> <li>○ <b>Crosstalk between adjacent ports</b></li> <li>○ <b>Maximum input voltage</b></li> <li>○ <b>Maximum current</b></li> <li>○ <b>Impedance</b></li> <li>○ <b>BNC pin contact</b></li> </ul> </li> </ul>	50Mhz (typical) TBD @1Mhz TBD @10Mhz TBD @25Mhz TBD @50Mhz TBD +/-24V 1.5A 50 Ω gold plated
<ul style="list-style-type: none"> <li>• <b>Internal switch specification:</b> <ul style="list-style-type: none"> <li>○ <b>Switch type</b></li> <li>○ <b>Contact material</b></li> <li>○</li> <li>○ <b>Expected mechanical life</b></li> <li>○ <b>Switch time</b></li> </ul> </li> </ul>	bistable gold clad, isolated from external atmosphere minimum 10 <sup>8</sup> maximum 10ms
<ul style="list-style-type: none"> <li>• <b>System display</b> <ul style="list-style-type: none"> <li>○ <b>Resolution</b></li> <li>○ <b>Touch screen</b></li> </ul> </li> </ul>	128x64 yes
<ul style="list-style-type: none"> <li>• <b>IR Receiver</b> <ul style="list-style-type: none"> <li>○ <b>Accepted codes</b></li> <li>○ <b>Carrier frequency</b></li> </ul> </li> </ul>	RC5 standard 38Khz
<ul style="list-style-type: none"> <li>• <b>Ethernet interface</b> <ul style="list-style-type: none"> <li>○ <b>Standards</b></li> <li>○ <b>Connector type</b></li> <li>○ <b>Supported cable types</b></li> </ul> </li> </ul>	10Base-T/100Base-TX, Auto-MDIX, Auto-negotiation RJ45 STP Cat5E, up to 100m length
<ul style="list-style-type: none"> <li>• <b>RS-232 serial interface</b> <ul style="list-style-type: none"> <li>○ <b>Baudrate</b></li> <li>○ <b>Transmission type</b></li> <li>○ <b>Transmission control flow</b></li> <li>○ <b>Connector type</b></li> <li>○ <b>Supported cable types</b></li> </ul> </li> </ul>	9600, 19200, 38400, 57600, 115200 asynchronous, full duplex RTS/CTS, none female 9-pin D-sub D-sub shielded extension cable
<ul style="list-style-type: none"> <li>• <b>Operating temperature</b></li> </ul>	0 – 40 °C
<ul style="list-style-type: none"> <li>• <b>Operating humidity range</b></li> </ul>	<= 90% below 35 °C <=60 above 35 °C
<ul style="list-style-type: none"> <li>• <b>Fuse type</b></li> </ul>	5x20mm fast blow type, current rating 500mA
<ul style="list-style-type: none"> <li>• <b>Installation in 19-inch rack</b></li> </ul>	yes

- **AC Power adapter type PSC12R-120**

○ <b>Input voltage</b>	100...240 VAC, 50-60Hz
○ <b>Power</b>	12W
○ <b>Output Voltage</b>	12VDC
○ <b>Maximum output current</b>	1000mA
○ <b>DC connector</b>	Center positive standard