SkyPlus™ MXH and MXU antenna multiplexers operate at different frequencies of 13.56 MHz (HF) and 860 MHz and 960 MHz (UHF) respectively.

The SkyePlus™ MXH and MXU antenna multiplexers enable multiple antenna inputs at multiple read points to be integrated and read by a single RFID reader thus minimizing the number of readers deployed when multiple read-points are required and saving on infrastructure investment for the user. They are equipped with either 4 or 8 antenna ports so as to expand a reader’s capability according to specific requirements of an application. Each multiplexer is controlled by either a host processor or a reader module, which allows any of the eight antennas to be addressed explicitly using three GPIO pins. Further scalability can be achieved by adding additional multiplexers so that a reader module can support more than eight antenna.

Technical Specifications

<table>
<thead>
<tr>
<th>SkyePlus MXH 13.56 MHz antenna multiplexer</th>
<th>SkyePlus MXU 860-960 MHz antenna multiplexer</th>
</tr>
</thead>
<tbody>
<tr>
<td>HF Frequency</td>
<td>HF Frequency</td>
</tr>
<tr>
<td>Low insertion loss: &lt; 0.7 dB</td>
<td>Low insertion loss: &lt; 1.4 dB</td>
</tr>
<tr>
<td>Isolation: 45 dB minimum</td>
<td>Isolation: 30 dB</td>
</tr>
<tr>
<td>Control voltage: CMOS/TTL levels</td>
<td>Control voltage: CMOS or TTL levels</td>
</tr>
<tr>
<td>4-port &amp; 8-port</td>
<td>4-port &amp; 8-port</td>
</tr>
</tbody>
</table>
SkyPlus™ MXH and MXU Antenna Multiplexers (733001)

Product Overview

GAO Group
Celebrating Over 15 Year of Innovation

GAORFID.com
GAOTek.com
GAORFIDAsetTracking.com
GAOComm.com
GAOlnstruments.com
GAOFiberOptics.com
GAOEmbedded.com
GAOREsearch.com

Toll Free (USA & Canada)

1-877-585-9555

All Other Areas

416-292-0038

Dial Ext.601 for Sales
Ext.602 for Other Inquiries

China: 86-519-80691090
86-519-80691089
sales@GAORFID.com

SkyPlux™ MXH and MXU Antenna Multiplexers www.GAORFID.com
GAO733001

Page 2 of 2