



## SPEAKER MICROPHONE INTERFACE SMI-3B1

PRODUCT CODE 51215

### FEATURES

- Provides the connection of a speaker, microphone and handset to any PC to achieve master station functionality
- Balanced microphone input with built in phantom power feed
- Control inputs for push-to-talk, volume control & other functions
- Handset/headset connection
- Automatic Gain Control (AGC)
- Balanced audio output for recording conversations
- Configurable NC/NO relay output
- Optional streaming audio upgrade

### OPTIONAL ACCOMPANYING PRODUCTS

- Speaker Microphone Interface Console
- PC Master (PCC-650MX/PCC-650MXTS)

### SPECIFICATIONS

|  |  |
|--|--|
| <b>Microphone</b>                            | 200 Hz – 7 kHz (input circuit frequency response $\pm 3$ dB)   |
| <b>Output Distortion (Line to Speaker)</b>   | 0.2 % (0.5 W RMS speaker output)   |
| <b>Input Distortion (Microphone to Line)</b> | < 1 % @ mic. input of -50 dBu  |
| <b>Recording Output Type</b>                 | Electronically balanced, non-isolated  |
| <b>Audio Streaming Bandwidth</b>             | 128 kb/s each way  |
| <b>Button Inputs</b>                         | Push-to-talk, volume up/down<br>Button inputs 2 & 3 configurable for other uses  |
| <b>Auxiliary Functions</b>                   | Relay contacts (1 x NO/NC) max. 2 A @ 24 V d.c.  |
| <b>Power Input</b>                           | (12 – 32) V d.c., 24 V d.c. nominal  |
| <b>Power Consumption</b>                     | 5 W max.   |
| <b>Indicators</b>                            | Power, +5 V, status, LAN link and activity   |
| <b>Cabling</b>                               | Ethernet: 4 pair UTP CAT-5/5e/6, max. 100 m<br>Connectors: 0.75 mm <sup>2</sup> , multi-strand   |
| <b>Connectors</b>                            | LAN/Power: RJ45<br>Power: 2 way 3.81 mm combicon screw terminal block<br>Speaker, mic in, recording out and control inputs: 12 way 3.81 mm combicon screw terminal block<br>Relay : 3 way 3.81 mm combicon screw terminal block<br>Handset/Headset: RJ45 |
| <b>Operating Temperature</b>                 | (0 - 50) °C  |
| <b>Operating Humidity</b>                    | (10 – 90) % relative humidity (non-condensing)   |
| <b>Compliance</b>                            | EMC: EN 55022, AS/NZS CISPR 22 Class A   |
| <b>Form Factor</b>                           | Rectangular box, LAN and indicators on front, connections on rear  |
| <b>Dimensions (WxHxD)</b>                    | 103 mm x 30.5 mm x 168 mm  |
| <b>Weight</b>                                | 0.35 kg  |
| <b>Material</b>                              | Extruded aluminium   |
| <b>Finishes</b>                              | Anodised, black  |
| <b>Environment</b>                           | Indoor use only  |
| <b>Mounting Options</b>                      | Mounting bracket: 120 mm spacing for 2 screws  |



## SPEAKER MICROPHONE INTERFACE CONSOLE

PRODUCT CODE 51673

### FEATURES

Audio communications console with push-to-talk functionality  
 Tactile mechanical stainless steel buttons  
 Gooseneck microphone  
 Volume control  
 Push-to-talk button

### OPTIONAL ACCOMPANYING PRODUCTS

Speaker Microphone Interface (SMI-3B1)

### SPECIFICATIONS

|                              |   |
|------------------------------|---|
| <b>Speaker</b>               | 4 Ω 3 W RMS   |
| <b>Microphone</b>            | Form factor: gooseneck<br>Type: Uni-Directional electret condenser<br>Freq. Resp.: 50 Hz – 18 kHz<br>Sensitivity: -70 dB ± 3 dB @ 1 kHz |
| <b>Control Buttons</b>       | Stainless steel mechanical: push-to-talk, volume up/down  |
| <b>Cabling</b>               | Audio: twisted pairs, CAT-5/5e/6 screened   |
| <b>Connectors</b>            | 12 way 3.81 mm pluggable screw terminal block   |
| <b>Operating Temperature</b> | (0 - 50) °C   |
| <b>Operating Humidity</b>    | (10 – 95) % relative humidity (non-condensing)  |
| <b>Form Factor</b>           | Desktop console   |
| <b>Dimensions (WxHxD)</b>    | 130 mm x 145 mm x 68 mm   |
| <b>Weight</b>                | 1.5 kg  |
| <b>Material</b>              | Face: stainless steel<br>Base: mild steel   |
| <b>Finishes</b>              | Face: bead blasted<br>Base: powder coated, black  |
| <b>Environment</b>           | Indoor use only   |
| <b>Vandal Resistant</b>      | Yes (console body only)   |
| <b>Mounting Options</b>      | Desk mount only   |

*SMI-3B1 and SMI Console can be purchased as an SMI Console Package.*

