

System Interface Cards

The Reciters have a position inside for a System Interface (SIF) card. The SIF is responsible for all the non-RF inputs and outputs for the reciter. The SIF is interchangeable depending on the application requirements.

One of the following SIFs may be selected per reciter.

<p>Non Isolated Audio D25 Connector with:</p> <ul style="list-style-type: none"> → Balanced and unbalanced input and output audio lines, → 6 digital inputs, → 2 digital outputs, → 4 digital input/outputs → 1 coax relay drive output, → Tx Key & Rx Gate. <p>Applications:</p> <ul style="list-style-type: none"> • When audio or E & M isolation is not necessary. • TB8100 channels (ie.base/link) that need to be connected together. • When more digital I/O lines are required to control or sense external device states 	
<p>Isolated Audio D25 connector with:</p> <ul style="list-style-type: none"> → Transformer isolated balanced input and output audio lines, → Non isolated unbalanced input and output audio lines, → 6 digital inputs, → 2 digital outputs, → 4 digital input/outputs → 1 coax relay drive output, → Tx Key & Rx Gate. <p>Applications:</p> <ul style="list-style-type: none"> • TB8100 channels (ie.base/link) that need to be connected together. • When more digital I/O lines are required to control or sense external device states 	
<p>Isolated Audio E&M D25 connector with:</p> <ul style="list-style-type: none"> → Transformer isolated balanced input and output audio lines, → Non isolated unbalanced input and output audio lines, → 2 digital inputs, → 2 digital outputs, → 4 digital input/outputs → 1 coax relay drive output, → Tx Key & Rx Gate, → Optically isolated E & M (Tx Key and Rx Gate). <p>Applications:</p> <ul style="list-style-type: none"> • Where audio and E & M isolation is required • When connected to 4W E & M devices like microwave multiplexors • Equivalent to T800 receiver and transmitter audio, gating and E & M lines. 	
<p>TaitNet, RS232 D15 connector to interface directly with TaitNet system, with:</p> <ul style="list-style-type: none"> → Balanced and unbalanced input and output audio lines, → 1 digital input, → 3 digital outputs, → Tx Key & Rx Gate → D9 RS232 connector. <p>Applications:</p> <ul style="list-style-type: none"> • TaitNet trunking channel – connects directly to CCM • Where rear panel RS232 access is more appropriate than front panel access. • Diagnostics - when 2 channels fitted in TB8100 rackframe– RS232 connection can be via rear SIF ports connected to serial port servers (ie. 4, 8, 16 or 32 port devices) • Where less (or no) digital I/O lines are required to control or sense external device states • Where 15Pin Drange is more suitable to the situation than a 25pin • Is exactly the same as TaitNet,MPT Trunked SIF, but with an RS232 port fitted. • NOTE: rear RS232 SIF port disables front panel RS232 port. 	
<p>TaitNet, MPT Trunked D15 connector to interface directly with TaitNet system, with:</p> <ul style="list-style-type: none"> → Balanced and unbalanced input and output audio lines, → 1 digital input, → 3 digital outputs, → Tx Key & Rx Gate <p>Applications:</p> <ul style="list-style-type: none"> • TaitNet trunking channel – connects directly to CCM • Where less (or no) digital I/O lines are required to control or sense external device states. • Where 15Pin Drange is more suitable to the situation than a 25pin 	