An increasing number of forward-thinking businesses are utilizing the power of trunking for their two-way radio communication. Cost-effective and efficient, LTR and PassPort trunked communication provides wide calling range, great privacy, and fast channel access to help workers connect without delays—as well as high user and talkgroup capacity to enhance system efficiency. And by purchasing their own trunked systems, companies can gain the control and flexibility they need to keep costs low and communication quality high.

Motorola delivers all the expertise and equipment required to create a fully functioning, integrated two-way radio trunked network—quickly and easily. Your choice of repeater components below provides your business the coverage and capacity flexibility of the Motorola Assembled Trunking System (ATS).

**Assembled Trunking System**

**Base Station/Repeater Portfolio**

**PassPort®, LTR® and Conventional Compatible**

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**Radius R1225™/RKR1225™**

Ideal for desktop use in an office setting, the R1225/RKR1225 can also become a base station allowing a dispatch operator to communicate with other radios in the field. It has built-in basic repeater capabilities. Optional controllers can be added for enhanced features such as telephone interconnect, multiple PL/DPL codes and signaling.

Available in UHF (444-474 MHz) and VHF (146-174 MHz)

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**MTR2000™**

The MTR2000 Station/Repeater provides unmatched flexibility in a compact design. This product offers features such as Tone Remote Control and continuous duty cycle operation. In addition, the MTR2000 unit is available in 100-25 Watt, 40-2 Watt, and 30-2 Watt variable power models.

Available in UHF (403-470 MHz) and VHF (136-174 MHz)

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**“Limited” Quantar™**

The “Limited” Quantar Station/Repeater helps maximize system up time by providing reliable solid state performance and self-testing capabilities. Available in 110-25 Watt or 100-25 Watt variable models, the “Limited” Quantar is also available with battery reverting to help maintain system operation in the event of a site power failure.

Available in UHF (470-494 MHz and 494-520 MHz)

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**MX800**

The MX800 Base Station Repeater, manufactured by Spectra Engineering Pty, is the repeater component intended for use in Motorola’s PassPort and LTR ATS systems in 200 and 700 MHz frequency bands. Offering wide RF switching bandwidth with superior blocking, intermodulation, and adjacent channel performance, the MX800 also comes with fully welded steel housing, a built-in NTS Trunking Controller interface, and provides a 50 Watt power output.

Available in UHF (217-221 MHz) and VHF (746-764 MHz)

Limited product specifications appear on the reverse of this sheet. For full product information and specifications, please refer to the dedicated product and specification sheets.
Base Station/Repeater Portfolio Specifications

<table>
<thead>
<tr>
<th>R1225/RKR1225</th>
<th>R1225/RKR1225</th>
<th>MTR2000</th>
<th>MTR2000</th>
<th>Quantar Limited</th>
<th>Spectra MX800</th>
<th>Spectra MX800</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Transmitter Specifications</strong></td>
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<tr>
<td><strong>Frequency</strong></td>
<td>146-174 MHz</td>
<td>146-174 MHz</td>
<td>132-174 MHz</td>
<td>132-174 MHz</td>
<td>132-174 MHz</td>
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<tr>
<td><strong>Channel Spacing</strong></td>
<td>12.5/25 kHz</td>
<td>12.5/25 kHz</td>
<td>20 kHz</td>
<td>20 kHz</td>
<td>20 kHz</td>
<td>20 kHz</td>
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<tr>
<td><strong>Mode of Operation</strong></td>
<td>Simplex/Full Duplex</td>
<td>Simplex/Full Duplex</td>
<td>Simplex/Full Duplex</td>
<td>Simplex/Full Duplex</td>
<td>Simplex/Full Duplex</td>
<td>Simplex/Full Duplex</td>
</tr>
<tr>
<td><strong>Duty Cycle</strong></td>
<td>Continuous/0%</td>
<td>Continuous/0%</td>
<td>Continuous/0%</td>
<td>Continuous/0%</td>
<td>Continuous/0%</td>
<td>Continuous/0%</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>5.25” x 19” x 13.5”</td>
<td>5.25” x 19” x 16.5”</td>
<td>5.25” x 19” x 16.5”</td>
<td>5.25” x 19” x 16.5”</td>
<td>5.25” x 19” x 16.5”</td>
<td>5.25” x 19” x 16.5”</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>22 lbs (10 kg)</td>
<td>40 lbs (19 kg)</td>
<td>40 lbs (19 kg)</td>
<td>55 lbs (25 kg)</td>
<td>55 lbs (25 kg)</td>
<td>55 lbs (25 kg)</td>
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<tr>
<td><strong>Temperature Range</strong></td>
<td>-30°C to +60°C</td>
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