

## M108-900-10TRM3Q

### LOW LOSS 900 MHz COMBINER

The Telewave.io M108-900-TRM transmitter combiner covers 896- 941 MHz. This combiner features 8-inch,  $\frac{3}{4}$ -wave cavities for close channel spacing.

Each combiner covers the full band and is a modular unit on a 24.5-inch panel. Each 19-inch rack combines up 10 channels into a common antenna, with optional duplexer, preselector, and receiver distribution. Individual channels are field-retunable without causing downtime to other channels.

Optional power monitoring for each channel is available, as well as remote keying for each transmitter. The PM10C2S-1C wattmeter panel uses only 1.75" of rack space.

An optional receiver system can be built around the Telewave.io compact preselector series, or full- size cavities as needed. Depending on the application, the TPCP-8644 preselector may be mounted in the upper portion of a 72" or 84" rack, and a 1RU receiver panel with 8 or 16 channels.

The M108-900 -TRM3Q series provides a new option for 900 MHz system operators to deploy systems with standard spacing and normal insertion loss.

SPECIFICATIONS	
Frequency range	896-941 MHz
Channels	1-10 channels into 1 or 2 antennas
Channel separation (min)	250 KHz
Input power (max)	150 watts per channel
Impedance / Input VSWR (typ.)	50 ohms / 1.25:1
Insertion loss per ch. (typ.)	4.25 dB - 5 ch. at 250 KHz spacing 4.8 dB - 10 ch. at 250 KHz spacing
TX-to-TX isolation (typ.)	80 dB
Antenna to TX isolation (typ.)	75 dB
2nd harmonic suppression (typ.)	90 dB
Cavity size	8" diameter / $\frac{3}{4}$ wave
Operating temperature	-30°C to +60°C
Mounting / Connectors	19" rack mount / N Female
Panel dimensions (HWD) in. (cm)	24.5 x 19 x 26 (62 x 48.3 x 66)
Weight lb. (kg)	150 (68.1) 5 ch.

