

## M106-860-4/8TPC

### COMPACT TRANSMITTER COMBINER PANELS

The Telewave.io M106-860-4TPC and 8TPC Compact Low Loss Combiner Panels are designed for new, narrowband technologies. Six-inch diameter high "Q" cavities and horizontal mounting dual isolators provide high performance in only 7RU (12.25").

All components in these field-expandable combiners are completely passive. This design allows for front panel tuning, simplifying installation and maintenance, and allows for addition of channels without any disruption of service.

These combiners are shipped without racks, for mounting in existing installations.

#### FEATURES

- ULTRA COMPACT - 4 CH. ONLY 12.25" HIGH
- 1-8 TRANSMITTERS INTO ONE ANTENNA
- LESS THAN 3 dB INSERTION LOSS (4 CH.)
- MODULAR PANELS SIMPLIFY EXPANSION
- COMPLETELY SELF-CONTAINED
- LOW COST PER CHANNEL
- FULLY FIELD TUNABLE
- 80 dB TX TO TX PROTECTION



#### MAJOR OPTIONS

- HEAVY DUTY 19" RACKS
- POWER MONITORING
- WATTMETER PANEL
- RECEIVER MULTICOUPLER
- EXPANSION KITS TO 8 CHANNELS (M106-860-1T)

SPECIFICATIONS	
Frequency range	806-960 MHz
Channels	1-8 channels into 1 or 2 antennas
Channel separation (min)	500 KHz
Input power (max)	100 watts per channel
Impedance / Input VSWR (typ.)	50 ohms / 1.25:1
Insertion loss per ch. (typ.)	2.0 dB - 4 ch. at 1 MHz spacing 3.2 dB - 8 ch. at 500 KHz spacing
TX-to-TX isolation (typ.)	80 dB
Antenna to TX isolation (typ.)	65 dB
2nd harmonic suppression (typ.)	90 dB
Cavity size	6" diameter / 1/4 wave
Operating temperature	-30°C to +60°C
Mounting / Connectors	19" rack mount / N Female
Panel dimensions (HWD) in. (cm)	12.25 x 19 x 17 (31 x 48.3 x 43.2)
Weight lb. (kg)	4 ch. 60 LB (27.2 kg)