

SL9003QHP-8SLAN

Six & Eight Channel Digital STL



Transport 4 Radio Stations on a Single STL Channel!

Moseley SL9003QHP-8SLAN overcomes overcrowded 950 MHz STL channels in your market by concentrating multiple stations on one STL channel. Linear uncompressed and built-in audio compression maximizes the use of your licensed STL frequency. Perfect for main or backup service, it is extremely cost effective when compared to individual single station STL links.

FEATURES

- 2 to 8 Audio Channels, user selectable, make it perfect for multi-station clusters.
- Linear Uncompressed Audio or AAC & MPEG Compression offers maximum payload capacity.
- Serial Data Channels carry RDS information.
- IP Data Channel provides one-way Ethernet connectivity for HD Radio™.
- 5 Watts Digital Power* conquers challenging STL environments.
- Web Browser User Interface allows convenient remote monitoring.
- User Configurable with no additional purchases makes it future-proof.

*950 MHz only

Moseley

General:

Frequency Range	160 kHz to 2.4 GHz – all worldwide STL bands
Power Output	5 Watts @ 950 MHz, 1 Watt @ all others
Channel Bandwidth	200/250/300/500 kHz
Audio Modes	Linear, AAC-LD&LC, MPEG-2/3, G.722
Frequency Response	<5 Hz to 22.5 kHz \pm 0.2 dB @ 48kHz <5 Hz to 15 kHz \pm 0.2 dB @ 32kHz
Distortion	<0.01% at 1 kHz
Latency	5 ms. Linear. Comp. depends on algorithm
IP Data	0-2048 Mbps (depends on audio used)
RS-232 Data	6 channels @ 300-19200 bps
Input/Output Impedance	50 Ohms (nominal)
RF Connectors	N-Type

Transmitter:

Frequency Stability	0.00001 % (0.1 PPM), 0 to 50° C
Spurious and Harmonic	< -60 dBc
Type of Modulation:	16, 32, 64, 128 QAM (user selectable)
FCC Emission Designations	200KD7W, 250KD7W, 300KD7W, 500KD7W

Receiver:

Type of Receiver	Dual conversion super heterodyne
Dynamic Range	-35 dBm to -95 dBm
Frequency Stability	0.00001 % (0.1 PPM), 0 to 50° C
Receiver Sensitivity	-93 dBm/16 QAM; BER 10E-6
Error Correction	Reed-Solomon, t = 8

Management:

Front panel LCD, selector and status LED,
Web Browser, SNMP

Physical:

Power Requirements	Universal AC 90-260 V, 47-63 Hz, 80 Watts TX – 65 Watts RX (Consult Factory for DC options)
Dimensions	17" w x 14" d x 5.2" h (43.2 cm x 35.6 cm x 13.2 cm)
Mount	19" Rack Mount – 3 Rack-units
Weight	TX 24 lbs.(52.8 kg) / RX 17 lbs. (37.4 kg)
Operating Temp. Range	-20°C to +60°C ambient
Operating Humidity	90% (non-condensing)

Specifications are subject to change without notice.



Rear View