LanLink HS-900D

LAN Extender / Data Link

Moseley

Ethernet and RS-232 path...

LANLINK HS-900D combines Moseley's reputation for high quality aural Studio-to-Transmitter Links with industrial strength, mission-critical wireless communications solutions. This provides broadcasters with a fully integrated Ethernet / IP / RS-232 data transport system.

LanLink HS-900D *is the perfect companion to the Moseley* **Starlink SL9003Q** *digital STL system as well as other STL models and manufacturers*

UNIQUE DATA CONNECTIVITY SOLUTION

LanLink solves the growing need for data connectivity at the transmitter site. With LanLink, new and low cost IP-based applications and accessories can provide unique solutions in the broadcast facility. LanLink is the only integrated data solution of its type available to broadcasters

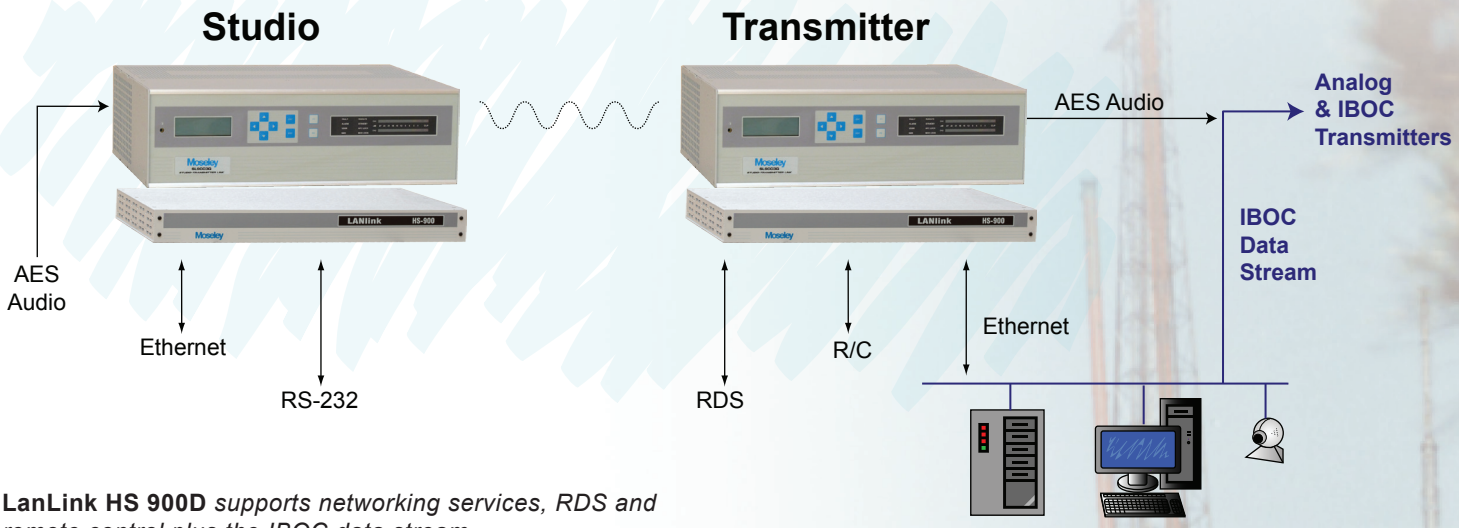
HIGH SPEED

IP / Ethernet connection speeds up to 1 Mbps extend the LAN to the transmitter site. Two RS-232 channels, adjustable from 1,200 bps - 115.2 kbps, accommodate control functions

LICENSE-FREE

LanLink operates in the 902-928 MHz ISM band. This means it can be deployed immediately without frequency coordination or license filings.

MOSELEY ASSOCIATES IS THE LEADER IN DIGITAL STL TRANSMISSION SYSTEMS FOR THE BROADCASTING INDUSTRY. FOR MORE INFORMATION VISIT US AT www.moseleysb.com.



LanLink HS 900D *supports networking services, RDS and remote control plus the IBOC data stream.*

INSTALLS IN MINUTES

Because of LanLink's closeness in frequency to the 950 MHz STL band, it can be combined into an existing 950 MHz antenna system using its built-in duplexer. This eliminates the need for installation of additional antennas with their accompanying landlord issues, tower leases, and wind loading.

SECURE

LanLink employs multiple layers of protection, including password protection, 900 MHz physical layer, and 128-bit encryption to ensure network security and integrity

ROBUST DATA TRANSPORT

LanLink's 1 Watt output is capable of paths over 30 miles. Generally, where a 950 MHz STL is in service LanLink will operate comfortably.

SIMPLE TO OPERATE

LanLink's web-browser-based control interface is rich with diagnostics. It can be controlled from any computer located on the network. Advanced SNMP allows LanLink to be used with network management systems

HD Radio™
IP link transmits the IBOC data stream between studio equipment and the transmitter site.

Mirrored Servers
Continually updates off-premises server, backing up valuable business and program assets.

IP-Based Equipment Control
Browser-enabled equipment may be controlled from any computer on the network.

RDS
Transports song title and artist data to the RDS generator.

Transmitter Remote Control
RS-232 channels provide commands and telemetry return data.

Security
A simple webcam provides transmitter site surveillance.

Internet and E-mail
LAN connection at the transmitter site saves valuable travel time

...to the transmitter site.

LanLink HS-900D

SPECIFICATIONS

GENERAL

MODEL	LanLink HS-900D: with built-in duplexer
FREQUENCY BAND	902-928 MHz ISM band
DATA RATE	Ethernet 1 Mbps/512 Kbps, user configurable Serial ports (2) RS-232 1,200-115,200 bps
SPREADING MODE	DTS (Digital Transmission System)
COVERAGE RANGE	Up to 30 mi. (40 Km.)

TRANSMITTER

POWER	0.1 to 1 watt (20 to 30 dBm)
IMPEDENCE	50 V
MODULATION	CPFSK (Continuous Phase FSK)
ANTENNA	N Female

RECEIVER

SENSITIVITY	-97 dBm @ 512 Kbps with 10^{-6} BER -92 dBm @ 1 Mbps with 10^{-6} BER

DUPLEXER

INSERTION LOSS	<1.5 dB
RF POWER RATING	10 Watts, Continuous
CONNECTOR	Type N female

DATA INTERFACES

ETHERNET PORT	10Base-T, RJ-45
SERIAL PORTS	RS-232/V.24, DB-9F, DCE RS-232/V.24, DB-9M, DCE/DTE

PROTOCOLS

WIRELESS	CSMA/CA Wireless Protocol with Collision Avoidance
ETHERNET	IEEE 802.3 Spanning Tree (Bridging)
IP	(TCP/IP, DHCP, ICMP, UDP, TCP, ARP, SNMP)
SERIAL	*PPP, Encapsulation over IP (tunneling)*

STATUS INDICATORS

LEDs	LAN, Com 1, Com 2, Link

MANAGEMENT

TOOLS / METHODS	HTTP (embedded web server), SNMPv1/v2/v3, MIB II, Enterprise MIB Terminal Program (text-based on Com1)

PHYSICAL

POWER	10.5 – 30 Vdc (13.8 Vdc nominal) Consumption Tx. 7 W, Rx. 2.8 W 120 VAC power supply included
TEMPERATURE	-30ºC to +60ºC
HUMIDITY	95% Non-condensing
DIMENSIONS	17”w x 14”d x 1.72”h (43.2cm x 35.6cm x 4.4cm)
MOUNT	19“ Rack Mount 1RU
REGULATORY COMPLIANCE	FCC Part 15.247, UL/CSA Industry Canada

LanLink HS’s built-in duplexer makes a quick and easy installation.

Moseley Associates Incorporated • 82 Coromar Drive • Santa Barbara, CA 93117-3093 • Phone (805) 968-9621 • Fax (805) 685-9638 • Web http://www.moseleysb.com