KY-57 (VINSON)/ KY-99 (ANDVT) Over IP Adapter

The KYIP-750 adapts encryptors - types KY-57, KY-58, KY-99, and KY-100 - operating in Analog, Digital Wide Band (WB), or Digital Narrowband (NB) data modes to Internet Protocol (IP) networks for transmission over a 10/100BaseT Ethernet connection. The Adapter extends voice and data transmission between encryptors and remote radios over a Local Area Network (LAN). Transmission is controlled by activation of the Push-To-Talk (PTT) signal by the operator at the encryption device or the data terminal. The Adapter design is based on TELEGRID's KY-57 Buffers - Models KYB-701, 702 and 703 - fielded by the US Army and USMC.

Features

- Operates with KY-57 or KY-58 VINSON encryptors, and KY-99 ANDVT MINTERM encryptor or KY-100 AIRTERM encryptor.

- Facilitates connection of encryption device to Local Area Network (LAN).

- Web interface supports operator selection of operational mode between Analog, Wide Band (WB) and Narrowband (NB).

- Same device can operate at the encryptor end or the radio end based on an operator selection.

- Easy operator configuration using web-based interface.

- Front panel indicators show configuration choice and operational status.

- Supports both DHCP and static IP address designation.

TELEGRID Technologies, Inc.
(973) 994-4440
sales@telegrid.com

Technical Specifications

Data Modes:	Analog, Digital Wide Band (WB), Digital Narrowband (NB)
Analog frequency range:	200 – 3400 Hz
Digital Data Rates:	WB = 16Kbps, NB = 2.4Kbps
KY Connector:	DB-25 (F)
Radio Connector:	DB-25 (M)
Ethernet Protocol:	10/100BaseT
Ethernet Connector – Data:	RJ-45
Ethernet Connector – Mgmt:	RJ-45
Input Power:	80-264 VAC @ 47-440 Hz
AC Power Connector:	Standard 3-prong IEC 320 C14 socket
Operating Temperature:	-40°C to +85°C
Relative Humidity:	0 to 90% non-condensing
Dimensions:	1/3 of 1U Rack Mount - 1.70" H x 5.65" W x 12.50" L
Weight:	3 lbs (including tray and AC power cord)
1/3 of 1U Rack Tray:	Included

Security Specifications

Cryptography:	FIPS 140-2 Level 1
Encryption:	AES 128/256
Hashing Algorithms:	MD5, SHA1 and SHA256
Network Separation:	Independent Data and Management Network Operation
Secure Protocols:	HTTPS, SSH (v1 and v2), TLS v1.2
Public Key Infrastructure (PKI):	x509 Certificate Trusted Web Configuration Tool

Operator
H-250

| KY-99 | KYIP-750 | LOCAL AREA NETWORK | KYIP-750 | RADIO |

Data
Terminal
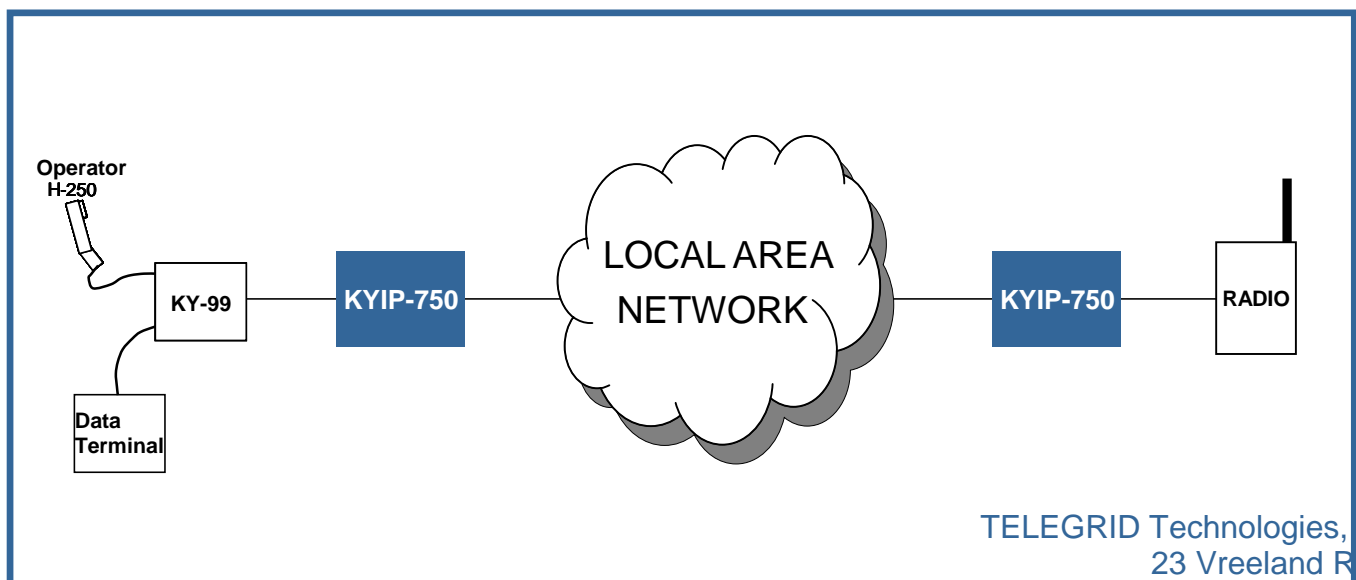
TELEGRID Technologies, Inc.
23 Vreeland Road
Florham Park, NJ 07392
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