

KY Crypto IP ADAPTER

Model KYIP-750v3



KY-57 (VINSON)/ KY-99 (ANDVT) 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) 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.



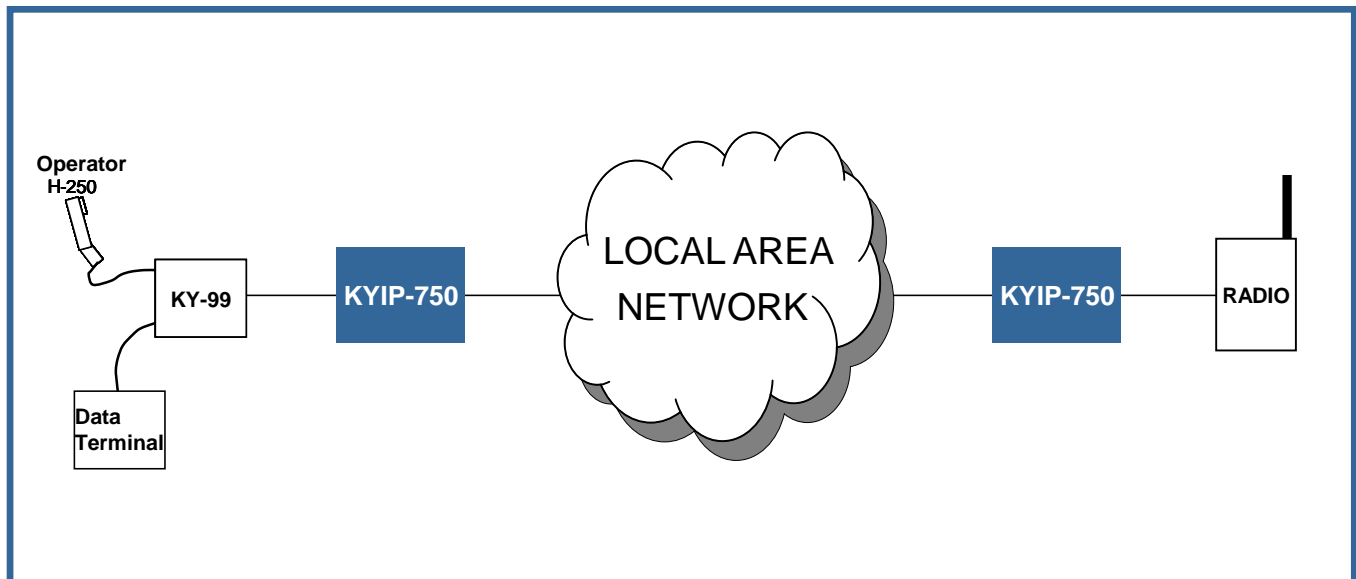
Features

- 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.

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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:	RJ-45
Input Power:	80-264 VAC @ 47-440 Hz
AC Power Connector:	Standard 3-prong IEC 320 C14 socket
Operating Temperature:	-20°C to +60°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



KYIP-750v3 Concept of Operation

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