

ROUTE-HDLC

HDLC to I.P. CONVERTER

Applications

- Traffic monitoring and control systems
- Pipeline and wellheads - monitoring and control
- SCADA systems
- Security/monitoring systems
- Industrial and factory control



Description

The ROUTE-HDLC converts legacy equipment using HDLC protocols to work over standard TCP/IP infrastructure, allowing complex dendritic cabling systems including costly leased lines to be rationalized into a simple TCP/IP LAN with a network switch.

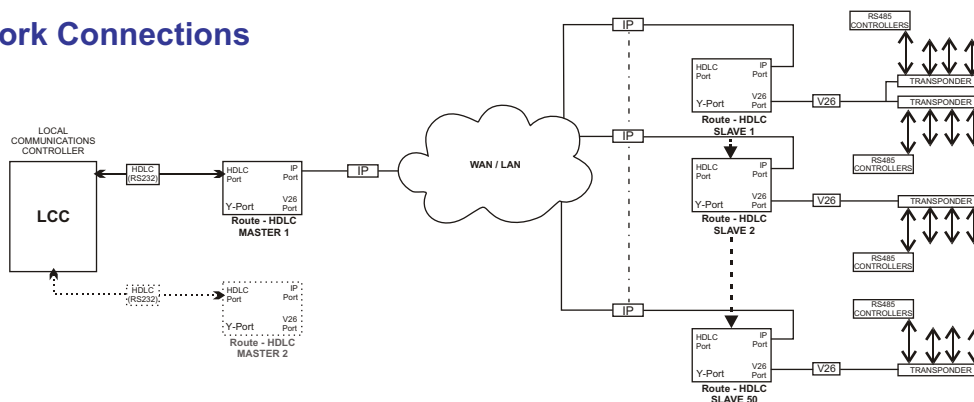
To minimize risk associated with big-bang IP migration, the unit includes an ingenious "Y connection" feature which allows both the legacy networking and the TCP/IP networking to be supported simultaneously by the unit. This means that device can be converted from one network to the other one by one, without need for any software configuration. The network QOS requirements of the unit are flexible and it operates well on high latency/low bandwidth infrastructure.

The units were specifically designed for the upgrade of the U.K.'s various traffic related networks such as NMCS2 MIDAS (Motorway Incident Detection and Automated Signaling), NMCS2 Signals LCC to Signals Transponders and NMCS2 First Generation CCTV Controllers. The product lends itself equally well to any application which uses HDLC protocol. A Master configured Route-HDLC can communicate with up to 50 Slave configured units.

Features

- Converts HDLC and HDLC-M protocols to IP
- Converts RS232 protocol to IP
- Fully configurable from network or serial port
- Configurable as Master or Slave
- Up to 50 Slaves per Master
- DCE or DTE selectable HDLC port
- Auxiliary HDLC/RS232 DTE port
- Extensive indicators
- 5 year warranty
- Wide temperature range (-40 C to 75 C)

Typical Network Connections

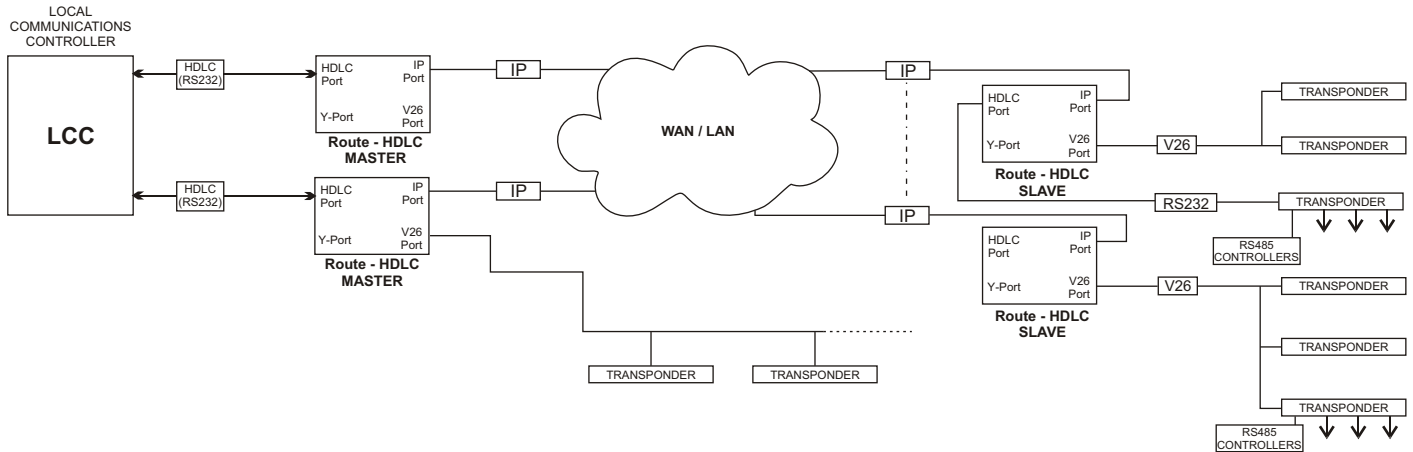


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Typical Network Connections



Specifications

Electrical

Configuration Port	RS232 DCE, RJ-45
Configuration Port data rate	57.6 Kb/s
HDLC Primary port	HDLC/HDLC-M RS232 DCE/DTE, RJ-48 (10 pin RJ-45)
HDLC Primary port data rate	300b/s to 100+ Kb/s
HDLC Secondary port	HDLC/HDLC-M RS232 DTE, RJ-48
HDLC Secondary port data rate	300b/s to 100+ Kb/s
V.26 Port (Optional)	Shares config. RJ-45 connector
Network port	10/100 Ethernet, RJ-45
Power source	5V DC universal power cube (supplied) 24V DC Isolated (optional) 48V DC isolated (optional)
Power consumption	< 2 Watts

General

Operating temperature	-40°C to 75°C
Humidity (RH)	10% to 95%
MTBF	> 50,000 hours
Dimensions (W*H*D)	11.2cm * 2.3cm * 16.0cm

* Specifications are subject to change without notice.

Part Numbers

ROUTE-HDLC	Standard, 5V unit
Extra power cube	LTIPS-5-2-U

* For special requirements, please consult with Luxcom.

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