DH485 Router /B

Intelligent DH485 to EtherNet/IP Router

- *Route DH485 to Logix*
- *1761-NET-AIC Replacement*
- *Program SLC5/03 over DH485 from EtherNet/IP*
- *Interface PanelView Plus or PV800 to SLC5/03*
- *Logix to SLC / MicroLogix*
- *Supports Redundancy*
- *Direct-to-Tag Technology*
- *Built-In Packet Analyser*
- *Device Level Ring*
- *DIN Rail Mount*

The DH485 Router provides intelligent data routing between EtherNet/IP and DH485 simplifying the migration from MicroLogix and SLC systems to ControlLogix or CompactLogix platforms, where a DH485 interface is required.



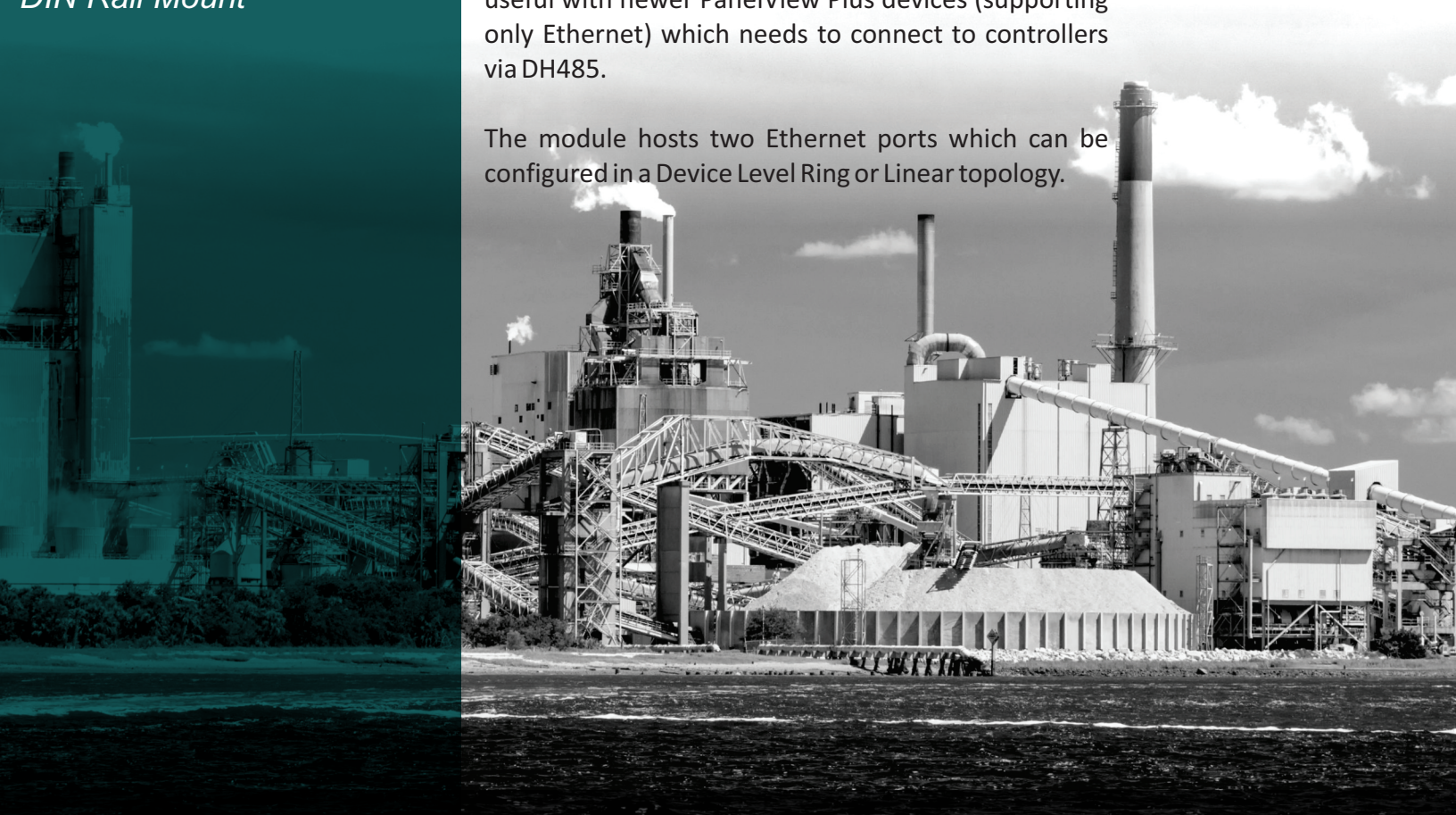
The module can also be used for remote (RSLogix 500) programming or bridging between Ethernet and DH485.

The DH485 Router's AIC Mode provides direct conversion between RS485 and RS232 and is therefor an ideal replacement for the NET-AIC.

Alternatively, the device makes use of the DH485 destination Node Address, (and Data File address in certain modes), to determine to which Logix controller the message should be routed. The mapping table, which can be configured in minutes, supports connections up to 8 Logix controllers.

The DH485 Router can also be used to connect newer PanelView Plus and PanelView 800 devices to Rockwell Automation SLC5/03 controllers. This is especially useful with newer PanelView Plus devices (supporting only Ethernet) which needs to connect to controllers via DH485.

The module hosts two Ethernet ports which can be configured in a Device Level Ring or Linear topology.



Transparent Mode

The DH485 Router will redirect PCCC messages to a Logix controller at a preconfigured EtherNet/IP path. Logix PLC Mapping configuration may also required.
This mode also supports remote programming using RSLogix 500.

Reactive Mode

The DH485 Router will convert PCCC messages to Logix controller tag reads or tag writes.
No Logix PLC Mapping configuration is required.

Scheduled Mode

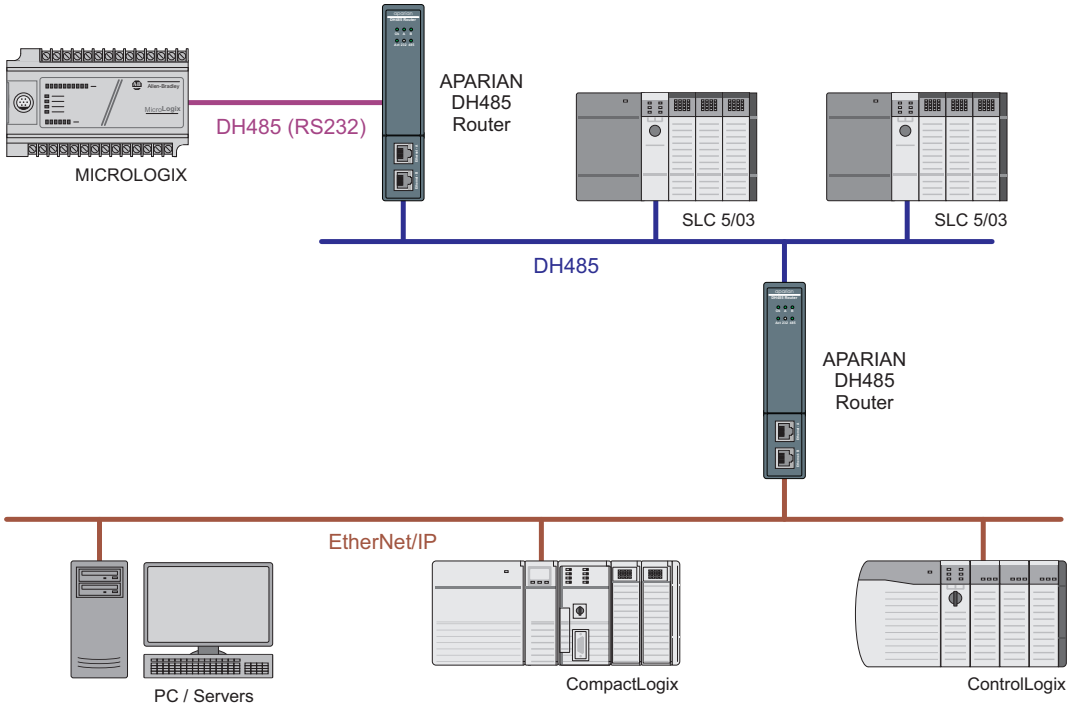
The DH485 Router transfers data between a DH485 device and a number of Logix tags, using a preconfigured scheduled.
No Logix or remote device configuration is required.

Unscheduled Mode

The DH485 Router transfers messages received from a Logix Message Instruction.

AIC Mode

The DH485 Router converts between RS232 and RS485.



EtherNet/IP™

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Specifications

Parameter	Rating
Power requirements	10 - 32 VDC (67mA @ 24VDC)
Operating temperature	-20 - 70 °C
Serial Isolation	RS232: 1000 Vdc RS485: 1500 Vrms
BAUD Supported	1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200
Protocol - DH485	RS485 with CRC
Ethernet	10/100 Mbps, Full/Half Duplex, Auto-MIDX, DLR
Logix controller max	3
Mapping item max	20

DH485 Router
A-DH485R/B

Aparian Inc.

24 Twain Str
Irvine,
CA, 92617

Tel. (949) 445 4109
sales@aparian.com
www.aparian.com

aparian