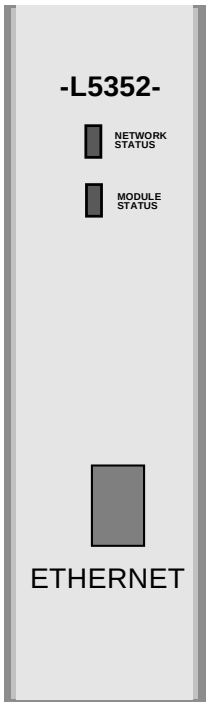
L5352 ETHERNET *Link Card*

GENERAL DESCRIPTION

ETHERNET is an open-protocol network standard that provides direct connectivity with a ETHERNET master device. The L5352 ETHERNET LINK Card is part of the *LINK2* family and provides a gateway between a *LINK* control system and ETHERNET ™, when installed in a LINK Station or LINK Rack. The L5352 operates with and must be controlled by an ETHERNET master (server), such as a scanner in a PLC or a PC with SCADA system software.
Terminal is in the form of RJ 45 connector.



FUNCTION BLOCKS

The L5352 function block can be used within a LINK Rack L5300 or LINK Station L5392 configuration. It is accessible using the Windows™ based graphical configuration package, DSD with Class revision 1059 or higher, by opening an L5300 or L5392 file. Clicking on **Block/LinkCard/L5352 ETHERNET** makes the L5352 block appear. Double-click on it to set the "Site" information. This refers to the slot number in the L5300 or L5392 where the ETHERNET LINK Card is inserted. Choose from J2 (leftmost) to J4 (rightmost). The required registers, they are be mapped in the **L5352 ETHERNET** control block. For details, refer to the on-line function block descriptions and specifications under the **Help** menu in DSD.

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MODULE STATUS LED

This bi-color (green - red) LED provides device status. It indicates whether or not the device is powered and operating properly.

Table 1 defines the different states of the Module Status LED.

TABLE 1

Status	LED state	Reason
Power off Disabled	**Off**	• No power applied to the device • Host LINK2 module is not running its configuration • Not configured in current configuration
Device in Standby Not Connected	**Flashing green**	• Device needs commissioning due to missing, incomplete or incorrect configuration
Device operational	**Green**	• The device is operating in a normal condition
Configuration fault	**Red**	• After configuration attempt – Module hardware failure
Alive announcement	**Blink Red**	• Initiating communications with the network
Configuration Error	**Flashing Red**	• Wrong Communication option selected

NETWORK STATUS LED

This bi-color (green - red) LED indicates the status of the communications link. Table 2 defines the different

states of the Network Status LED.

TABLE 2

Status	LED state	Reason
Power off or not on-line Disabled	**Off**	The device is not on-line. • The device may not have power applied to it. Look at Rack Status LED • The device is not configured in Link
On-Line – Not owned	**Flashing green**	The device is on-line without communications • The device has no ETHERNET Master • No connection (no master) • Check cable connections • Data size between Master and Slave not correct
Link OK, on-line, connected	**Green**	The device is on-line and has connections in the established state • Owned by, communicating with, correct configuration between L5352 and Master

TECHNICAL SPECIFICATIONS

Environmental	
Operating temperature	0°C to 50°C (32 to 122^{0}F)
Storage temperature	-10 °C to +70 °C (14 to 158^{0}F)
Humidity	85% RH. in a dry, non-condensing environment
Enclosure Rating	Touchsafe IP20. To be mounted inside a Ssd L53XX series enclosure
Supply	
Supply Voltage	5VDC, supplied by backplane 5VDC supplied to network (isolated - 20mA maximum)
Current Consumption	500 mA @ 5VDC
Power Dissipation	2.5 W
ETHERNET	
Connection Types	Process Data parameters selected by ETHERNET Master.
Baud Rate	10/100 M Baud
Data Types	Unsigned Integers (LINK Ordinals)
Indicators supported	Network status bi-color LED, Module status bi-color LED
Configurability	LINK Card configuration performed using DSD. ETHERNET network and PLC programmed independently
Connector type	RJ 45
Physical	
Height	120mm (4.72 in)
Width	32mm (1.25 in)
Depth	90mm (3.54in)
Weight	0.16 kg (0.35 lbs)


Parker