

9. Fault management

9. 2. Status of the LEDs

The VW3 A3 316 Ethernet/IP card features 5 LEDs, which are visible through the Altivar 61/71 cover.

- 1.1
- 1.2
- 1.3
- 1.4
- 1.5

- 2.1 Port 1 activity
- 2.2 Port 2 activity
- 2.3 Link status
- 2.4 NS "Network status"
- 2.5 MS "Module status"

The 2 first LEDs are respectively dedicated to each Ethernet port.
 The third LED is relative to the IP level.
 The 2 last LEDs are specific to EtherNet/IP and CIP communication protocol.

LED	Color/ state	Description
2.1	Off	No link
	Flashing Green/yellow	Power up testing.
	Green ON	Link at 100 Mbps.
	Yellow ON	Link at 10 Mbps.
	Green BLINK	Activity at 100 Mbps.
	Yellow BLINK	Activity at 10 Mbps.
2.2	Off	No link
	Flashing Green/yellow	Power up testing.
	Green ON	Link at 100 Mbps.
	Yellow ON	Link at 10 Mbps.
	Green BLINK	Activity at 100 Mbps.
	Yellow BLINK	Activity at 10 Mbps.
2.3	Off	Physical connections unplugged - No IP address obtained
	Flashing Green/red	Power up testing.
	Green ON	At least one port is connected and an IP address has been obtained.
	Green flashing 3 times	All ports are unplugged, but the card has an IP address.
	Green flashing 4 times	Error: Duplicated IP address (1)
	Green flashing 5 times	The card is performing a BOOTP or DHCP sequence
2.4 "NS"	Off	The device does not have an IP address or powered off.
	Flashing Green/red	Power up testing.
	Green ON	The device has at least one established connection (even to the Message Router).
	Green flashing	The device has not established connections, but has obtained an IP address.
	Red flashing	One or more of the connections in which this device is the target has timed out. This shall be left only if all time out connections are reestablished or if the device is reset.
	Red ON	The device has detected that its IP address is already in use (1).
2.5 "MS"	Off	No power is supplied to the device
	Flashing Green/red	Power Up testing.
	Green ON	The device is operating correctly.
	Green flashing	The device has not been configured.
	Red flashing	The device has detected a recoverable minor fault.
	Red ON	The device has detected a non-recoverable major fault (1).

(1) In case of duplicate IP Address, the led 2.3 is green flashing 4 times, led 2.4 and 2.5 are solid red.