

Advantys STB NIC 2212 Release Notes

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Schneider Electric

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STB NIC 2212

Version Information

Version (SV): 2.10
Documentation: 890 USE 177 0x

Known Issues

IP address retained after lengthy cable disconnect	If the NIC is configured to use DHCP or BootP, it will not release its IP address after a lengthy cable disconnect (> 2 min). This could result in a duplicate IP address (when the cable is restored) if another device on the network gets the same IP address while the NIC's cable is disconnected.
STB NIC 2212 stops sending BootP requests after 6 attempts	If the NIC is configured to use BootP, and it does not get a valid response from a BootP server after 6 attempts, it will then use a fallback IP address and stop sending BootP requests. The preventive action is to have a BootP server available (normal operation), and the corrective action is to power-cycle the NIC.
STB NIC 2212 stops sending DHCP requests after 8 attempts	If the NIC is configured to use DHCP, and it does not get a valid response from a DHCP server after 8 attempts, it will then use a fallback IP address and stop sending DHCP requests. The preventive action is to have a DHCP server available (normal operation), and the corrective action is to power-cycle the NIC.

Known Issues in documentation

Communications Cable and Connector	Per ODVA specifications the Ethernet connector shield of this device is not connected directly to protective earth. WARNING HAZARD OF ELECTRICAL SHOCK OR BURN Connect the ground wire to the protective earth (PE) terminal before you establish any further connections. When you remove connections, disconnect the ground wire last. The Ethernet cable shield must be connected to the PE ground at the Ethernet switch. Failure to follow these instructions can result in death, serious injury, or equipment damage.
Class 37 Instance 1 in STB NIC 2212 user guide	Attributes 1h to Bh of Class 37 Instance 1 do not exist and should be removed from the documentation.
Class F5 Instance 1 Attribute 5 and 6 in STB NIC 2212 user guide	The TCP/IP Interface Configuration Attributes (F5-1-5) and Host Name Attributes (F5-1-6) are read only, not R/W.
Add a Listen Only connection	To establish a listen only connection to the island, set the output (Assembly Instance) to 255 and output data size to 0.

NIM Status Data

Replace NIM Status Data section with the following:

The NIM status provides the error/status information for internal island bus operations. The NIM status array is composed of a low byte and a high byte. You can access the NIM status through the EtherNet/IP explicit connection by following the path: class 101\instance 1\attribute 21.

Low byte: Each bit in the NIM status low byte array indicates a specific error or event:

Bit	Meaning of Value
D0 – D5	0 = The value of this reserved bit.
D6	1 = Ethernet traffic overload error—the NIM has experienced at least one Ethernet traffic overload condition. This bit will not be reset until the next power cycle.
D7*	1 = Ethernet traffic overload status—the NIM has recently experienced an Ethernet traffic overload condition. This bit will clear automatically, 15 seconds after the register is first read following an overload condition