



Making Data Acquisition Easy

CAGE/NCAGE CODE: 3FNFO

NS-205G

Unmanaged 5-port Industrial 10/100/1000 Base-T Ethernet Switch Quick Start Guide

Product Website:

http://www.icpdas-usa.com/ns_205g.html

1. Introduction

The NS-205G is 5-port unmanaged gigabit switches that support 10/100/1000 Base-T, with a 10/100/1000M auto-negotiation feature and auto MDI/MDIX function. It can connect 5 workstations and automatically switches the transmission speed (10 Mbps or 100 Mbps or 1000Mbps) for corresponding connections.

That is an ideal solution for bandwidth-hungry applications (such as high resolution digital image transmission, video/audio file streaming/downloading, and server farm connectivity).

The flow control mechanism is also negotiated. There is link/data rate LEDs for each port to aid trouble-shooting. Port connectors are shielded RJ-45



Figure 1 NS-205G



2. LED functions:

LED	Color	Description
Power	Red On	Power is On
	Red Off	Power is Off
Ethernet Port	Orange On	Link to 1000 Mbps
	Green On	
	Only Orange On	Link to 100 Mbps
	Only Green On	Link to 10 Mbps

3. Pin Function For Terminal Block:

+Vs : Power input (+10 ~ +30V) and should be connected to the power supply (+)

GND : Ground and should be connected to the power supply (-)

F.G. : F.G. stands for Frame Ground (protective ground). It is optional. If you use this pin, it can reduce EMI radiation; improve EMI performance and ESD protection.

4. Checking Power:

Since the NS-205G consumes 4.8W max, ensure that your power supply is able to meet this demand. The Input voltage range is +10~ +30VDC.

