VIVOTEK

AW-IHT-1002 Industrial M12 PoE Switch

Quick Installation Guide

INTRODUCTION

The AW-IHT-1002 is a M12 PoE switch with 8 x M12 FE D-coded PoE ports and 2 x M12 GbE X-coded uplink ports. It's compliant with EN50155 and EN45545-2 for transpotation. The machine features a total power budget of 165W@24VDC and 190W@48VDC. It also supports wide range of operating temperatures from -40°C to 75°C for harsh environment.
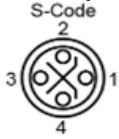
PACKAGE CONTENTS

* 1x M12 PoE switch	* 1x Quick Installation Guide (CD)

⚠ IMPORTANT:

DC input (24/48VDC). Follow the printed polarity for V+, V-, and Ground.
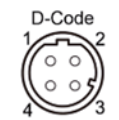
CONNECTION

Power Input

The figure on the left side is the illustration of S-Code M12 connector on the board side. Please wire the cable with the following instruction:

1: Power 1 V+   3: Power 2 V+
2: Power 1 V-   4: Power 2 V-

D-Code M12

The figure on the left side is the illustration of D-code M12 connector on the board side. Please wire the cable with the following instruction:

1: Tx+   3: Tx-
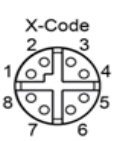2: Rx+   4: Rx-

X-Code M12

The figure on the left side is the illustration of X-code M12 connector on the board side. Please wiring the cable with the following instruction:

1: TP1+   5: TP4+
2: TP1-   6: TP4-
3: TP2+   7: TP3-
4: TP2-   8: TP3+

Earth Grounding

The earth grounding and cautious wire routing are helpful to suppress the effects of noise from electromagnetic interference (EMI). The switch has to be installed on a well-grounded surface, for instance, a metal panel.

The location of earth ground screw is usually near the location of power inputs, for example:

• Top side for most of din-rail models

• Rear side for most of rack-mount models

• Front side for most of M12 models

Note: Connect the ground from the ground screw to the surface of ground before wiring the power inputs.

LED DEFINITIONS

PWR1	ON	When V1+ and V1- are connected.
PWR2	ON	When V2+ and V2- are connected.
Status	Green ON	The system boots up and in normal operation.
	Red ON	The configured event of failure is triggered.
M12 D-Code Data	Green ON	10/100 Mbps link of the port is active.
	Green Flashing	Date is transmitted on the port at 10/100Mbps..
	OFF	Port is inactive.
M12 D-Code PoE	Amber ON	PD is detected.
	OFF	PD is not detected.
M12 X-Code GbE Data	Green ON	1000Mbps link of the port is active.
	Green Flashing	Date is transmitted on the port at 1000Mbps.
	OFF	Port is inactive.