

InHand Networks InSwitch ISE-P Series Quick Installation Manual

InHand Networks

www.inhandnetworks.com

Version: V1.0

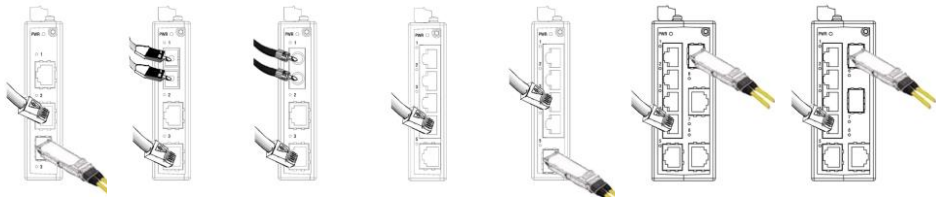
FEATURES

- **Protocol:**
IEEE802.3 10/100/1000M
 - **Electrical Ports:**
2~8 10/100M or 10/100/1000M RJ45 ports
and CAT5 cable is used
 - **Optical Ports:**
0~2 100M or 1000M optical port
 - **Input Voltage:**
12/24/48VDC & 24VAC Class 2
 - **Power Consumption:**
<5W
- **Size:**
24mm (W) x 100mm (H) x 61.8mm (D)
(3 or 5 Ports Model)
40mm (W) x 100mm (H) x 61.8mm (D)
(8 Ports Model)
 - **Weight:**
<0.16KG (3 or 5 Ports Model)
<0.23KG (8 Ports Model)
 - **Operating Temperature:**
-40℃~75℃
 - **Humidity:**
5%~95%, No Condensation

LEDs

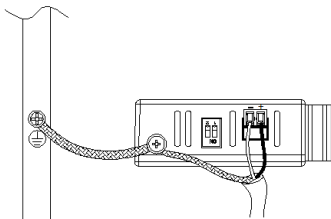
LED	State		Description
Power(PWR)	Green	On	Power is being supplied to power input.
		Off	Power is not being supplied to power input.
Ports (Full 1000M)	Green	On	When the port is active and links on 1000 Mbps.
		Blinking	When the port's data is being transmitted at 1000 Mbps.
		Off	When the port is inactive or link down.
	Amber	On	When the port is active and links on 100 Mbps.
		Blinking	When the port's data is being transmitted at 100 Mbps.
		Off	When the port is inactive or link down.
Ports (Full 100M)	Green	On	When the port is active and links on 100 Mbps.
		Blinking	When the port's data is being transmitted at 100 Mbps.
		Off	When the port is inactive or link down.

Port Connection Diagram

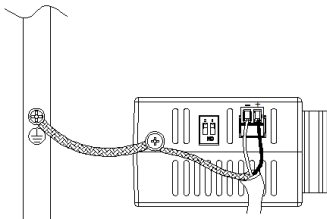


Power Connection Diagram

AC/DC input cable connection diagram for 3 or 5 Ports Model



AC/DC input cable connection diagram for 8 Ports Model



[NOTE]:

Before connecting the device to the AC/DC power inputs, make sure the AC/DC power source voltage is stable.

L/+ end is connected to the positive AC/DC wire.

NI/- end is connected to the negative AC/DC wire.

DIP Switch Setting

The switch allows users to enable or disable the Quality of Service (QoS) function, and broadcast storm protection (BSP) with DIP switch on the outer panel.

Settings for the Fast Ethernet switches:

DIP Switch	Setting	Description									
Quality of Service(QoS)	ON	Enable the quality of Service to handle packet priorities in two WRR queues. QoS and priority mapping matrix in each queue.									
		<table><tr><td>Qos 3bit priority</td><td>7.6.5.4</td><td>3.2.1.0</td></tr><tr><td>Queues</td><td>1</td><td>0</td></tr><tr><td>WRR</td><td>16</td><td>1</td></tr></table>	Qos 3bit priority	7.6.5.4	3.2.1.0	Queues	1	0	WRR	16	1
		Qos 3bit priority	7.6.5.4	3.2.1.0							
		Queues	1	0							
	WRR	16	1								
OFF	Disables the Quality of Service										
Broadcast Storm Protection	ON	Enables broadcast storm protection (only allow maximum of 200 broadcast packets per second) for each Ethernet port.									
	OFF	Disable the broadcast storm protection.									

Settings for the Gigabit Ethernet switches:

DIP Switch	Setting	Description																				
Quality of Service(QoS)	ON	Enable the quality of Service to handle packet priorities in four WRR queues. QoS and ToS/DSCP priority mapping matrix in each queue.																				
		<table><tr><td>CoS Priority</td><td>7,6</td><td>5,4</td><td>3,2</td><td>1,0</td></tr><tr><td>ToS/DSCP Priority</td><td>63 to 48</td><td>47 to 32</td><td>31 to 16</td><td>15 to 0</td></tr><tr><td>Queues</td><td>3</td><td>2</td><td>1</td><td>0</td></tr><tr><td>WRR</td><td>8</td><td>4</td><td>2</td><td>1</td></tr></table>	CoS Priority	7,6	5,4	3,2	1,0	ToS/DSCP Priority	63 to 48	47 to 32	31 to 16	15 to 0	Queues	3	2	1	0	WRR	8	4	2	1
		CoS Priority	7,6	5,4	3,2	1,0																
		ToS/DSCP Priority	63 to 48	47 to 32	31 to 16	15 to 0																
		Queues	3	2	1	0																
	WRR	8	4	2	1																	
OFF	Disables the Quality of Service																					
Broadcast Storm Protection	ON	Enables broadcast storm protection (at a maximum of 2000 broadcast packets per second) for each Ethernet port.																				
	OFF	Disable the broadcast storm protection.																				