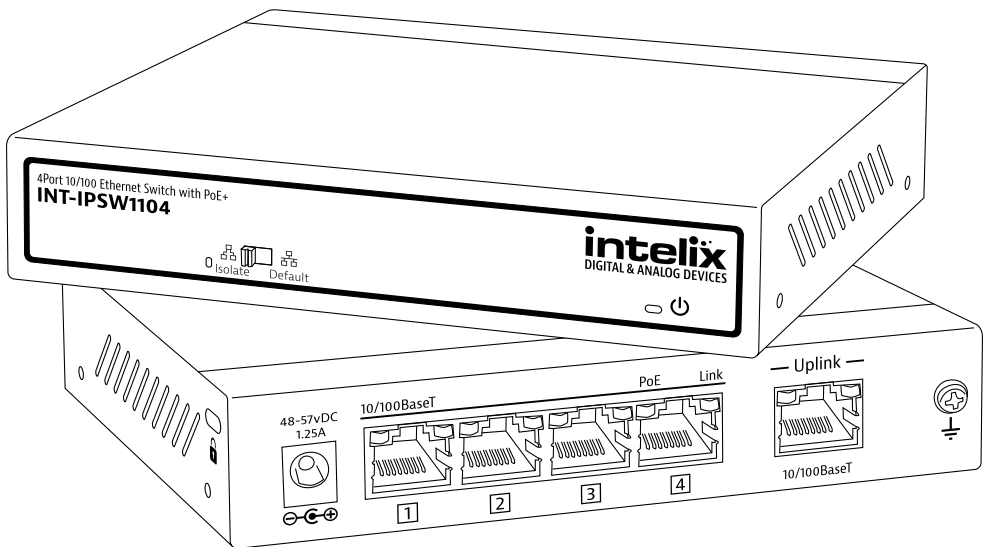# intelix
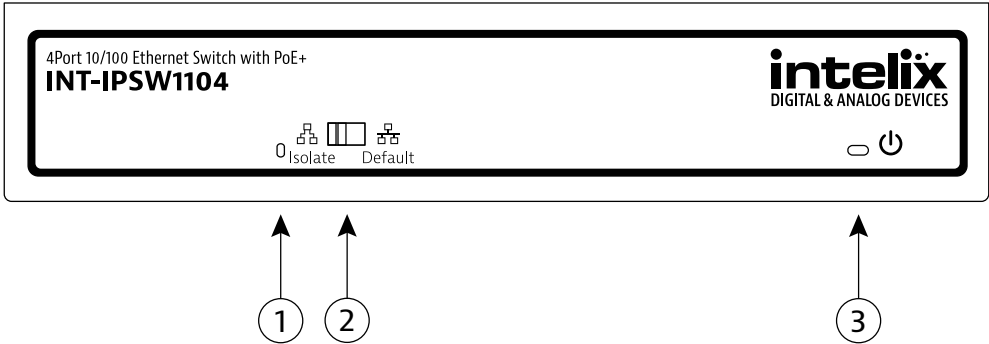## DIGITAL & ANALOG DEVICES
INT-IPSW1104 Installation Guide

Important notice:

·   Do not attempt to disassemble or alter the housing. There are no user-serviceable parts inside the unit. Doing so will void your warranty.

·   To minimize the possibility of equipment damage from electrostatic discharge (ESD), all source and destination equipment must be powered off during installation.

·   Do not connect the device to a telecommunication outlet wired to unrelated equipment. Doing so may damage the unit or any connected equipment. Ensure all connected twisted pair cabling is straight-through (point-to-point).

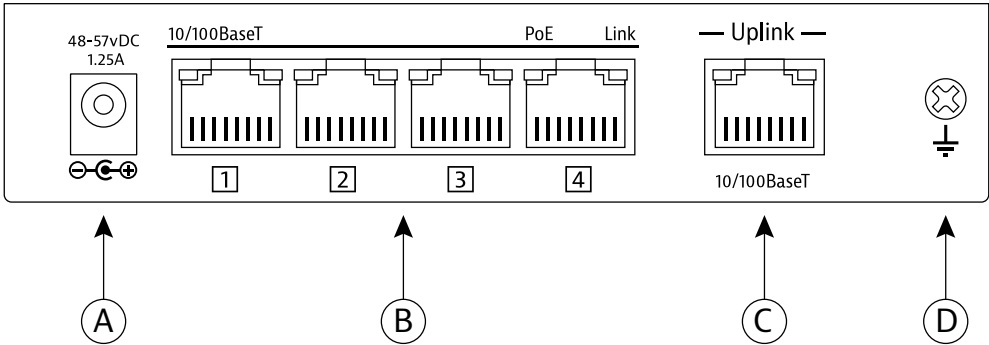·   Allow proper ventilation to reduce the risk of thermal failure.

The Intelix INT-IPSW1104 is a four port 10/100BaseT Ethernet switch with PoE+ (up to 15w per downlink port). The switch features two operation modes: Default and Isolate. In Default mode, the switch will pass data between all downlink and uplink ports, similar to a standard Ethernet switch. In Isolate mode, downlink ports will only communicate with the uplink port. The INT-IPSW1104 includes a Kensington lock slot to prevent theft.

Front Panel

1. Isolate Active LED
2. Operation Mode Selection Switch
    Default: Data will pass between all downlink and uplink ports
    Isolate: Data will only pass from the individual downlink ports directly to the uplink port.
3. Power LED

Rear Panel

A. Power Input
B. 10/100BaseT Downlink Ports with Status LEDs
C. 10/100BaseT Uplink Port with Status LEDs
D. Ground Screw

Instructions

1. Verify all components included with the switcher are present before installation.

2. Turn off power and disconnect the networking equipment by following the manufacturer's instructions.

3. If the switch will be sitting on a shelf, attach the supplied rubber feet to the bottom of the product.

4. If the switch will be secured to a surface, attach the included mounting brackets with the supplied screws. Secure the switch to the surface.

5. *Optional:* Secure a computer lock to the Kensington lock slot on the side of the switch to prevent theft of the device.

6. *Optional:* Connect a wire from the switch to an earth ground to help eliminate static shock between the switcher and connected network devices.

7. Set the Operation Mode Selection Switch to either Default or Isolate mode. When in Isolate mode, the green Isolate Active LED will be lit.
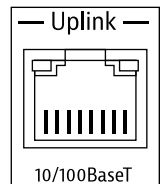
The switch must be powered off when altering the operation mode or the changes will not activate even though the Isolate Active LED will change states.

8. Connect Category 5e or greater twisted pair cable with RJ45 connectors between the switch and network devices. TIA/EIA-568B straight-through wiring connections are highly recommended to limit potential interference.

9. Plug the power supply into the power input port of the switch. The red Power LED will light when receiving power.
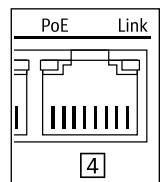
10. Power on attached network devices.

LED States

Uplink:

When an active network connection is detected, the green (left) and amber (right) LEDs will light. The LEDs will flicker while passing data.

Downlink:

When an active network connection is detected, the green (right) LED will light. If an endpoint device requires Power over Ethernet, the amber (left) LED will light. The green Link LEDs will flicker while passing data.

Technical Specifications

Input/Output Connections

Ethernet Uplink	One (1) 8P8C-F
Ethernet Downlink	Four (4) 8P8C-F
DC Power 48V-57V at 1.25A	One (1) Barrel (5.5 mm OD; 2.6 mm ID)

Ethernet Signal Characteristics

Maximum Distance	100m
Cable Requirements	Solid core Category 5e, Category 6 or greater with TIA/EIA-568B crimp pattern
Ethernet Standards	IEEE 802.3/802.3u/802.3x/802.1p/802.1q
PoE Standards	IEEE 802.3af/at
PoE Power Output	14.2 watts per output (fully populated); 30 watts max per output
Backplane Bandwidth	1Gbps
Packet Forwarding Rate	0.75Mbps
Packet Buffer	768K

Chassis and Environmental

Enclosure Material	Galvanized Steel
Enclosure Dimensions (H x W x D)	27 mm x 135 mm x 104 mm (1.06 in x 5.31 in x 4.05 in)
Shipping Weight	0.84 kg (1.85 lbs)
Operating Temperature	0° to +55° C (+32° to +131° F)
Operating Humidity	10% to 90%, Non-condensing
Storage Temperature	-40° to +85° C (-40° to +185° F)
Storage Humidity	10% to 85%, Non-condensing

Power and Regulatory

Power Supply Input	100-240V AC / 50-60 Hz @ 2 A
Power Supply Output	54V DC at 1.1 A
Power Consumption (	<5W, PoE output <60W
ESD Protection	±15 kV
Product Regulatory	CE, FCC, RoHS
Power Supply Regulatory	CE, FCC, RoHS

Other

Warranty	2 years
Security	Kensington Slot
Diagnostic Indicators	Chassis: Power, Ethernet (2 ea), Isolate Mode Uplink: Link Status (amber and green) Downlink: Link Status (green), PoE Status (Amber)
Included Accessories	Power supply, IEC power cable (US), Rubber feet (4 ea), Mounting brackets (2 ea) with screws

Distances and picture quality may be affected by cable grade, cable quality, source and destination equipment, RF and electrical interference, and cable patches.

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rev 150818