ReadyLinks IPC-2TCP-RPF Ethernet over Coax/Twisted Pair Client User Guide

ReadyLinks

Ethernet over Coax/Twisted Pair Client

Model: IPC-2TCP-RPF
Installation Guide

Contents

Introduction

Thank you for purchasing the ReadyLinks IPC-2TCP-RPF Ethernet over coax/twisted pair managed client. This Installation Guide is designed to guide you through the installation and includes warranty terms.

Package Contents

- Phillips screwdriver
- Drill and drill bit
- F Connector torque wrench (for coax installations) (Qty. 4)

*Included only in the singlepack of the IPC-2TCP-RPF

Installation Requirements
Hardware Overview

LED

Function LED Status Meaning

PWR	Green	The device is powered on.
	Off	The device is powered off.
RPF	Orange	The IPC is providing reverse power.
	Blinking	The IPC is failing to provide reverse power. Check out the cabling instructions for some troubleshooting tips
	Off	The IPC is not providing reverse power
Ethernet (GE)	Yellow	10Mb link
	Green	1Gb link
	Off	No link
ReadyLink Port (RL)	Green	A data link has been established.
	Blinking	There is an unstable data link.
PWR	Green	The device is powered on.

Ports

ReadyLink Combo port (RJ45/F) The Ethernet over coax or twisted pair ReadyLink combo port. Supports PoX (input power) and RPF (reverse power).
Ethernet Standard Gigabit Ethernet interface with PoE/PoE+ functionality. Reset The reset button can be used to factory reset the device. USB Type C Input power port for USB-PD power supplies.

Note: The USB Type C power port on the IPC-2TCP-RPF accepts a wide range of voltage. If you are planning to utilize the reverse power function, ensure the power supply can supply enough power.

Hardware Installation

The IPC-2TCP-RPF can be desktop, wall, or DIN rail mounted.
Mounting brackets are attached to the backside of the device and can be rotated for wall mount installation.

Power
The IPC-2TCP-RPF features forward power over any wire (PoX) and reverse power (RPF) and can be powered by any of the following:

- USB type C PD power supply.
- ReadyLinks switch with PoX.

Specifications

IPC-2TCP-RPF	
Dimensions	1.25″ (H) x 4″ (W) x 3″ (D)
Weight	<1lbs
Management interface	ReadyLinks switch, ReadyView
Networking interfaces	(1) RL twisted pair/coax combo port (2) 1GbE PoE+
PoE interfaces	(2) PoE+ ports (1) 30W + (1) 15W
Power input	ReadyLinks PoX USB Type-C PD3.0
Reverse power	(1) 30W ReadyLink twisted pair/coax combo port
Supported voltage range	USB PD3.0
Max power consumption	50W (with PoE)
Button	Factory reset Reboot
Operating temperature	23 to 104°F (-5 to 40° C)
Operating humidity	5 to 95% noncondensing
Management interface	ReadyLinks switch, ReadyView

Safety Notices

1. Read, follow, and keep these instructions.
2. Heed all warnings.
3. Only use attachments/accessories specified by the manufacturer.

WARNING: Do not use this product in a location that can be submerged by water.
WARNING: Avoid using this product during an electrical storm. There may be a remote risk of electric shock from lightning.

Electrical Safety Information

1. Compliance is required with respect to voltage, frequency, and current requirements indicated on the manufacturer's label. Connection to a different power source than those specified may result in improper operation, damage to the equipment, or pose a fire hazard if the limitations are not followed.
2. There are no operator serviceable parts inside this equipment. Service should be provided only by a qualified service technician.
3. This equipment is provided with a ground screw intended for connection to ground.

a. Do not substitute any power cord with one that is not the approved type. Never use an adapter plug to connect to a 2-wire outlet as this will defeat the continuity of the grounding wire.
b. The equipment requires the use of the ground wire as a part of the safety certification, modification or misuse can provide a shock hazard that can result in serious injury or death.
c. Contact a qualified electrician or the manufacturer if there are questions about the installation prior to connecting the equipment.
d. Protective earthing is provided by Listed AC adapter. Building installation shall provide appropriate short-circuit backup protection.
e. Protective bonding must be installed in accordance with local national wiring rules and regulations.

FCC

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions.

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Limited Warranty

https://readylinks.io/warranty.html
The limited warranty requires the use of arbitration to resolve disputes on an individual basis, and, where applicable, specify arbitration instead of jury trials or class actions.
TERMS OF USE: ReadyLinks devices must be professionally installed. Shielded Ethernet cable and earth grounding must be used as conditions of product warranty. It is the professional installer's responsibility to follow local country regulations, including operation within legal frequency channels, output power, and Dynamic Frequency Selection (DFS) requirements.

Documents / Resources

	**ReadyLinks IPC-2TCP-RPF Ethernet over Coax/Twisted Pair Client** [pdf] User Guide IPC-2TCP-RPF Ethernet over Coax Twisted Pair Client, IPC-2TCP-RPF, Ethernet over Coax Twisted Pair Client, over Coax Twisted Pair Client, Coax Twisted Pair Client, Twisted Pair Client, Pair Client, Client

References

- **ReadyLinks | Connecting the Future**
- **User Manual**