



Industrial IP65 PoE Extender

ACC-PEX-0100-0003

Product Description

The Industrial IP65 PoE Extender is a rugged solution for extending Power over Ethernet (PoE) and network connectivity beyond 100 meters, perfect for outdoor and industrial use. With an IP65-rated aluminum casing, it withstands extreme temperatures (-40°C to 75°C) and harsh environments, making it ideal for IP cameras, VoIP phones, and wireless access points. Each unit extends PoE reach by 100 meters, up to a maximum of 500 meters, and supports IEEE 802.3af/at standards. This plug-and-play extender requires no external power, simplifying installation and ensuring reliable, full-rate connectivity across large areas.





Ports Interface

RJ45	1x RJ45 10/100/1000 port (input) 1x RJ45 10/100/1000 port (output)
Connectors	Shielded RJ45, compatible with EIA 568A and 568B standards

Physical Properties

Case Material	Aluminum
Dimensions (H x D x W)	40mm x 150mm x 30mm
Mounting	Wall mount included

PoE Standards

PoE	IEEE 802.3af
PoE+	IEEE 802.3at

Environmental Standards

Rating	IP65
Storage Temperature	-40°C to 75°C
Operating Temperature	-40°C to 75°C
Humidity Tolerance	5% to 95%

Power

Power Input	PoE input
Maximum Output	22W

Distance Guide

End Device Power Requirement	PoE Switch Used	Maximum Distance
Class 1 PoE device Device consumption below 4W	IEEE 802.3af PoE Switch	400 meters
	IEEE 802.3at PoE+ Switch	500 meters
Class 2 PoE device Device consumption below 6W	IEEE 802.3af PoE Switch	300 meters
	IEEE 802.3at PoE+ Switch	400 meters
Class 3 PoE device Device consumption below 12W	IEEE 802.3af PoE Switch	200 meters
	IEEE 802.3at PoE+ Switch	300 meters
Class 4 PoE device Device consumption below 22W	IEEE 802.3at PoE+ Switch	200 meters

Note: PoE extenders can be cascaded to cover extended distances. For every additional 100 meters required, one extender should be added. For example, to reach a distance of 300 meters, three PoE extenders would be needed.

Any questions?

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