

PoE Solutions

Power Over Ethernet





About Us

The first and only manufacturing set up of wireless and green power equipments in Middle East and Africa Region.

OTAI is committed to deliver always-on-reliable enterprise scale wireless infrastructure for Voice, Data and Video traffic and impervious to interference and harsh environmental conditions from -20° to +80°.

OTAI's enterprise scale wireless solutions are robust, feature rich and cost effective. It can be easily scaled / upgraded to all future requirements of any organization.

The resilient products provide Point to Point, Point to Multi-Point and Any Point to Any Point Enterprise WAN connectivity used for enhancement of Public Safety Networks, secure long distance Enterprise connectivity between multiple locations. Organizations such as Governments, SME, Oil Fields, Defense, Telecom & Wireless Internet Service Providers, Schools, College Campus, Hotels, Hospitals, Airports, Coffee Shops, Warehouse etc can be connected over wireless to their central database for increase efficiency.

OTAI's is the leading last mile solutions provider using OFDM based 802.11a/g, 802.11-N and 802.16 Wi-max technologies to suit the most harsh environment and capable of delivering long distance Point to Point, Point to Multi-Point networks.

Enterprise Wireless Connectivity

Communication over IP (data networking) for high speed Voice, Data & Video has become a major part of today's business. Seamless wireless connectivity across the enterprise has always been a feather to any organization which allows real time connectivity and usage from a centralized database.

The demand for this connectivity is always on the rise even during recession, thereby protecting the organizations ROI and bottom-line.

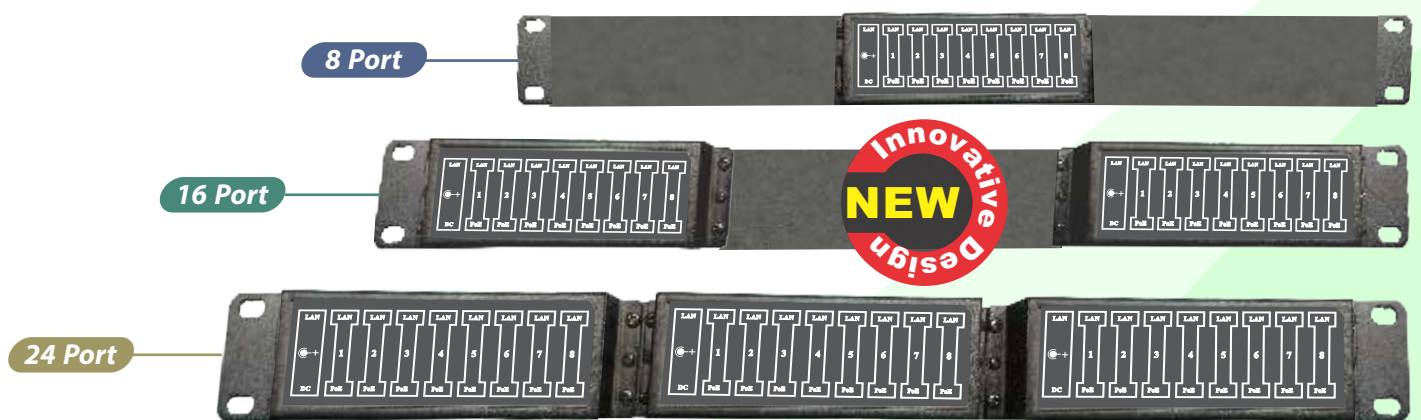
Our solution are

- Extremely smart, comprehensive and cost effective.
- Fully customized design for best efficiency even in harsh environmental conditions.
- Enterprise outdoor long distance Point to Point & Point to Multi-Point connectivity.
- Enterprise Wi-Fi solution for Villas, Hotels, Institutes, Hospitals, ISP's, SMB etc..
- Solar power solutions to back remote installations.

Bulk POE Injector

Converts your existing data switch to PoE switch.

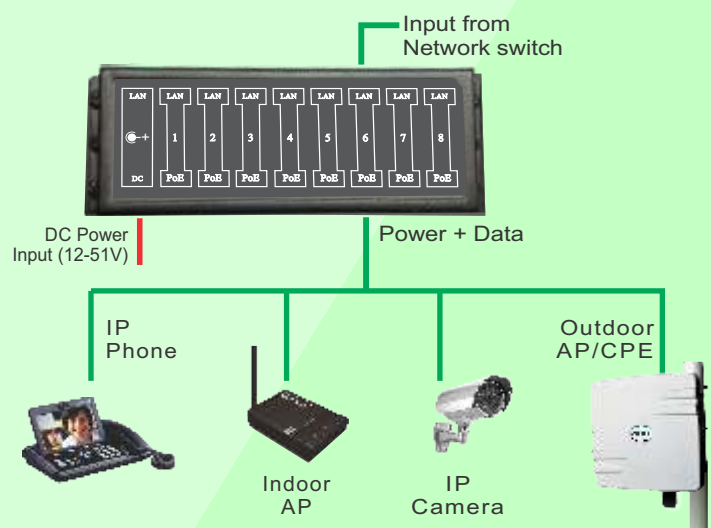
The device allows administrator to establish simple and reliable Passive PoE source from data network and save on replacement of expensive PoE switches. The device is designed to provide 8-port modularity and 1U Rack mountable. 3 different types of PoE lines can be generate from one 24 port strip by providing 3 different power supply to each module.



Features
Strong Enclosure
Simple in-line device
One power supply per 8-Ports
Wide input power range
DC In = Passive PoE Out
Rack / Wall Mountable

Applications
All type of PoE devices can be powered remotely from network PoE switch directly for central power & data management.
Non PoE devices installed remotely can be powered using Onnet Passive PoE splitters.
PoE devices with different power requirement can be connected to different PoE strip on single mounting plate (1U) with desired DC power source.

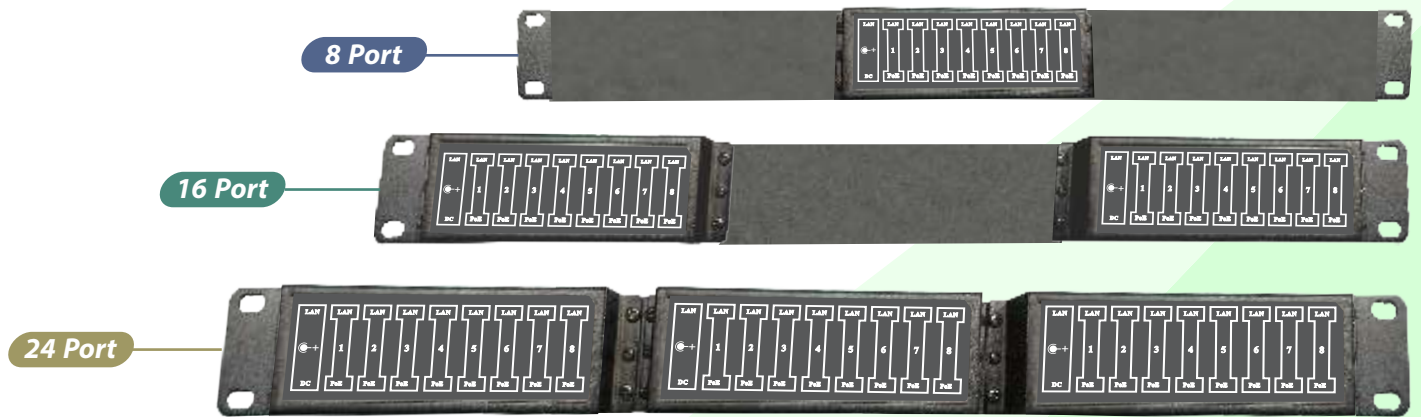
Input	<ul style="list-style-type: none"> Data - 10/100 Base-T Power - 12-51Vdc 		
Output	<table border="1"> <tr> <td> <ul style="list-style-type: none"> Power + Data (Passive PoE) Power = DC In Data = 10/100 Base-T </td> <td> <ul style="list-style-type: none"> Rj45 Data 1,2,3,6, Power - 4&5(+ve), 7&8(-ev) </td> </tr> </table>	<ul style="list-style-type: none"> Power + Data (Passive PoE) Power = DC In Data = 10/100 Base-T 	<ul style="list-style-type: none"> Rj45 Data 1,2,3,6, Power - 4&5(+ve), 7&8(-ev)
<ul style="list-style-type: none"> Power + Data (Passive PoE) Power = DC In Data = 10/100 Base-T 	<ul style="list-style-type: none"> Rj45 Data 1,2,3,6, Power - 4&5(+ve), 7&8(-ev) 		



Bulk POE Injector Gigabit

Converts your existing gigabit data switch to gigabit PoE switch.

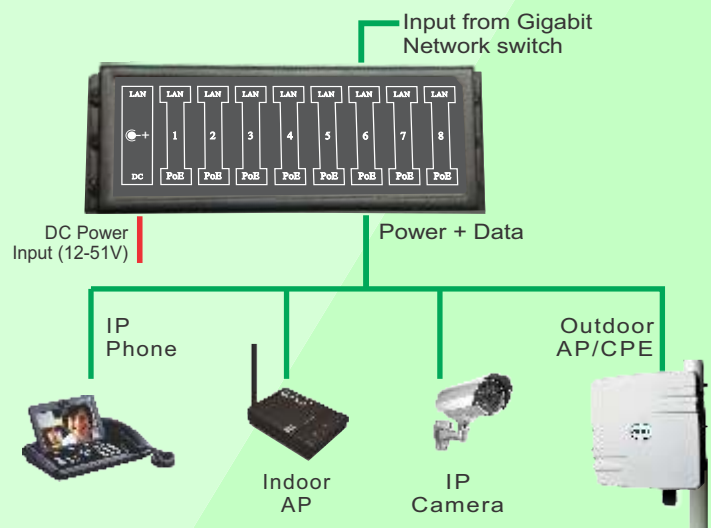
The device allows administrator to establish simple and reliable Passive PoE source from data network and save on replacement of expensive PoE switches. The device is designed to provide 8-port modularity and 1U Rack mountable. 3 different types of PoE lines can be generated from one 24-port strip by providing 3 different power supply to each module.



Features
Strong Enclosure
Simple in-line device
One power supply per 8-Ports
Wide input power range
DC In = Passive PoE Out
Rack / Wall Mountable

Input	• Data - 10/100/1000 Base-T	• Power - 12-51Vdc
Output	• Power + Data (Passive PoE)	• Rj45 Data 1,2,3,6,4,5,7,8
• Power = DC In	• Data = 10/100/1000 Base-T	• Power - 4&5(+ve), 7&8(-ev)

Applications
All type of PoE devices can be powered remotely from network PoE switch directly for central power & data management.
Non PoE devices installed remotely can be powered using Onnet Passive PoE splitters.
PoE devices with different power requirement can be connected to different PoE strip on single mounting plate (1U) with desired DC power source.

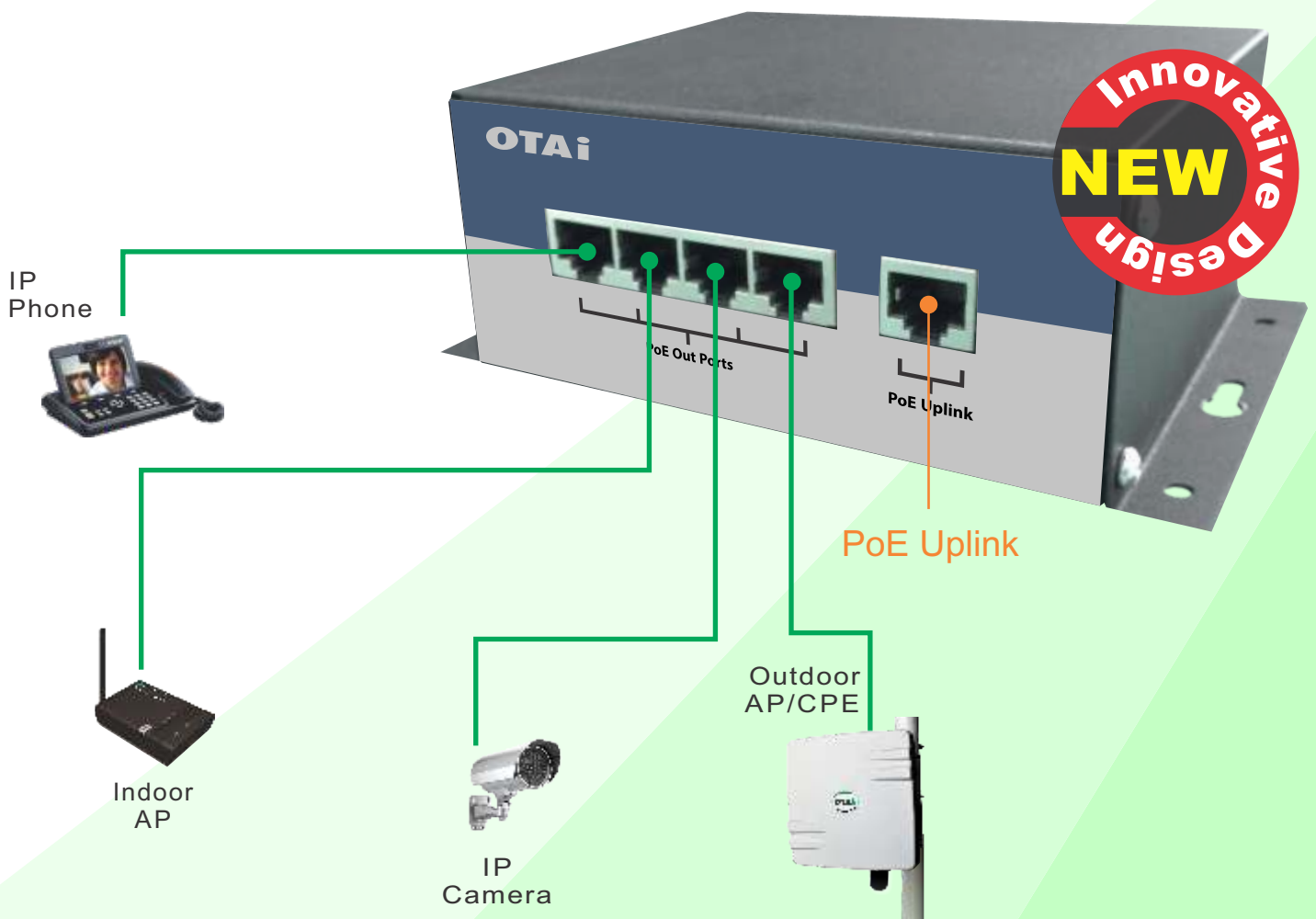


High Power PoE Extender

PoE uplink + 4 Ports PoE⁺ Ports.

OTAi PoE extender is an innovative design to meet growing demand for remote power over ethernet cable for various PoE and non PoE devices. This solution is fully indoor and does not require power.

The switch can be remotely powered over PoE uplink and cascaded to power remote CPE upto 400m from the main source.



High Power POE Extender / Switch

Product Code : OTAi PoE 5af

Input : Power in = 48Vdc, 150W Max

Output : PoE output = 3af/at complied with detection, 25W Max

Very High Power PoE Extender / Switch

Product Code : OTAi HPoE 5

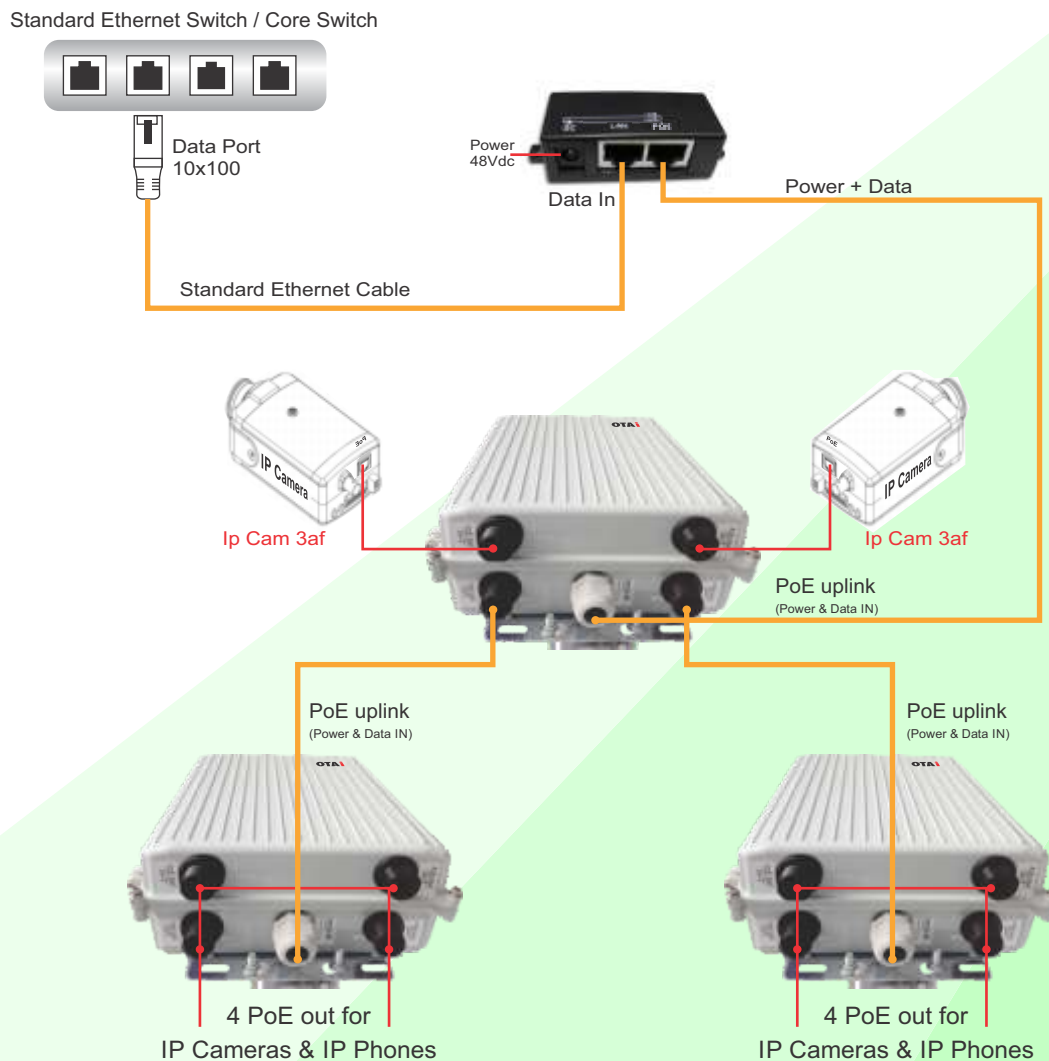
Input : PoE in = 48Vdc, 150W Max

Output : PoE output = 48Vdc, upto 60W per port

Tough PoE Extender / Switch

Tough PoE series is an innovative design to meet growing demand of remote power over ethernet cable for various PoE and non PoE devices. The solution is fully outdoor and does not require power. The switch can be remotely powered over PoE uplink and cascaded to power remote CPE upto 400m from main source.

Tough PoE switches are also available with integrated AP/CPE and solar remote power generator as one box, plug & play solution.

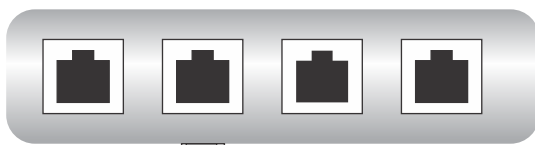


Tough PoE switch can be cascaded to power upto 10 remote devices very cost effectively upto 400m from main source. Very useful application in case of Wi-Fi and video surveillance applications like apartments / hotels / warehouses/ construction sites / mines etc.

Tough PoE Extender / Switch

Tough PoE switch can be customized with integrated high power, long range Access Point / CPE. The wireless Access Point comes with enterprise operating software and support upto 40Km high performance point to point link with the help of good quality solid state dish antenna. The Access Point can support 2.19-2.499, 2.4-2.9,3.3-3.8, 4.9-6.1, 5.1-5.9 GHz.

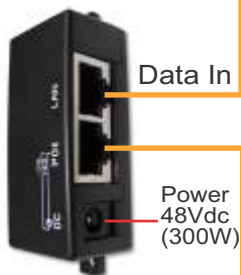
Standard Ethernet Switch / Core Switch



Data Port
10x100

Tough PoE switch with integrated AP/CPE

This application simplifies the network and allow you to operate 4 outdoor PoE devices simultaneously. Traffic of voice, data & video from the site can be transmitted from the remote side location to the control location / head office.



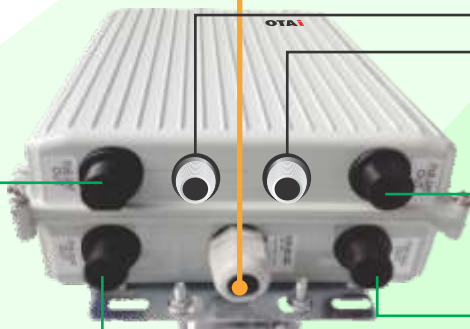
Data In

Power
48Vdc
(300W)

Power + Data

RF Cable Assembly

upto **40km**

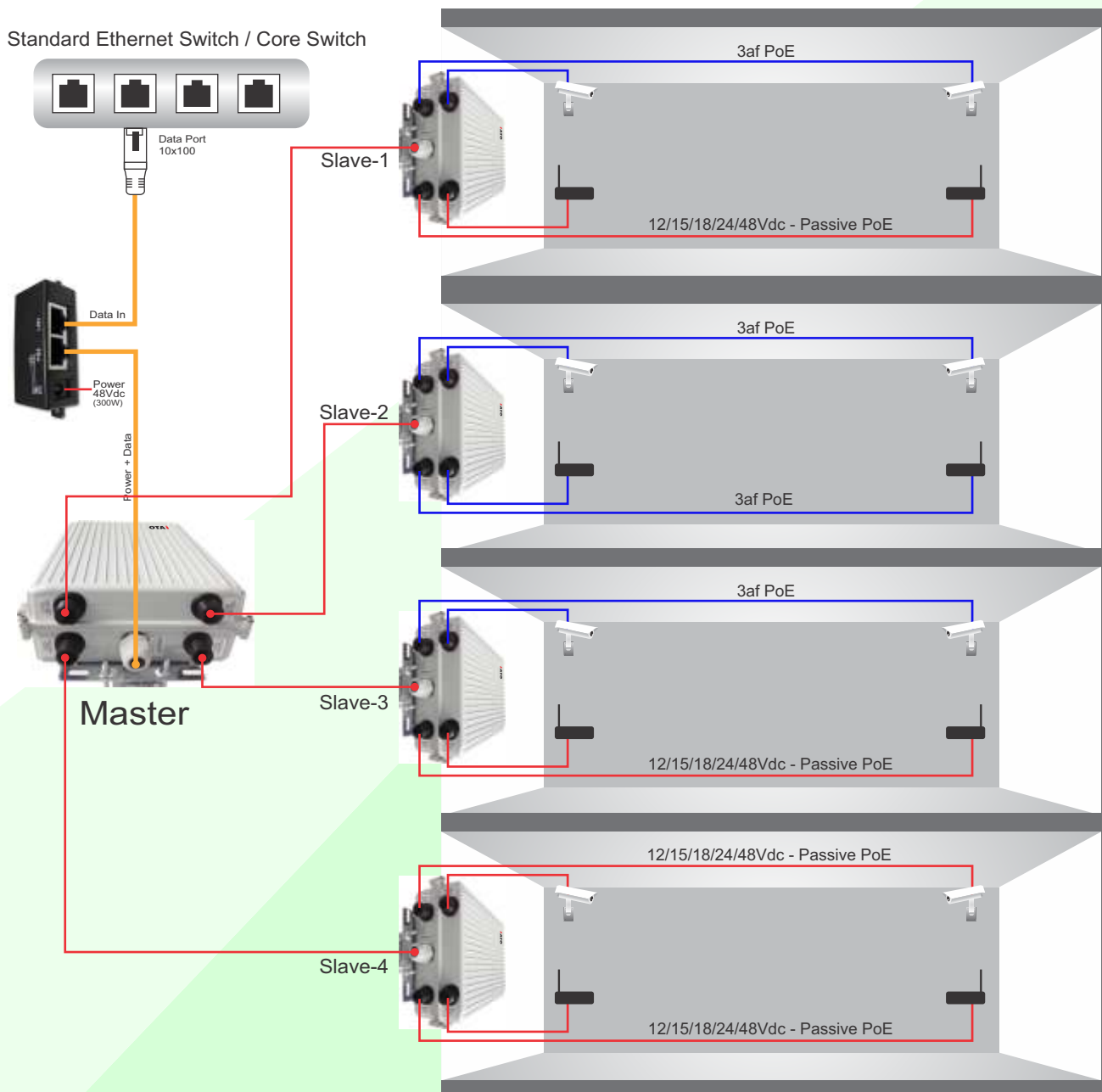


Tough PoE Extender / Switch

Tough PoE switch can be cascaded in different patterns and enjoy different power outputs from single, central power source. 16 devices can be remotely powered upto 200m from the main source. Very useful application in case of Wi-Fi and video surveillance applications like apartments/hotels/warehouses/ construction sites/mines/outdoor events etc.

Cascading Application

(apartments / hotels / hospitals / schools)



Wall Plug Passive PoE Injector



Onnet Wall-Plug P-PoE Injector

is an innovative design with power supply and inserter in one package. The device delivers Power & Data over standard ethernet cable to power remote device such as wireless AP/CPE, IP Phones, IP Cameras etc..

Power options : 12V, 20W / 15V, 24W / 18V, 24W / 24V, 24W



18V
PPoE
Device



Power
12V
Data
Splitter



Power
12V
Data
Splitter
Non
PoE
Device

Power + Data



PoE

LAN

PoE + = 10/100 LAN + 12/15/18/24V, 24W Power

Wall Plug Passive PoE⁺ Injector

(High Power PoE)



Onnet Wall-Plug PoE+ Injector

is an innovative design with power supply and inserter in one package. The device delivers Power & Data over standard ethernet cable to power remote device such as wireless AP/CPE, IP Phones, IP Cameras etc..

Power options : 48V, 30W



18V
PPoE
Device



Power
12V
Splitter
Data



Power
12V
Splitter
Data
Non
PoE
Device

Power + Data



PoE + = 10/100 LAN + 48V,30W Power

Wall Plug Gigabit PoE⁺ Injector

(High Power PoE)



An innovative design with power supply and PoE inserter in one package that delivers Power & Data to remotely placed equipments over ethernet cable.

Onnet PoE Gig 48HP is compact and cost effective solution for all 802.3af / 3at / 3at+ (PoE+) complied and 48V passive PoE devices such as wireless AP/ CPE, IP phones & IP cameras

Power options : 48V, 30W



Splitter

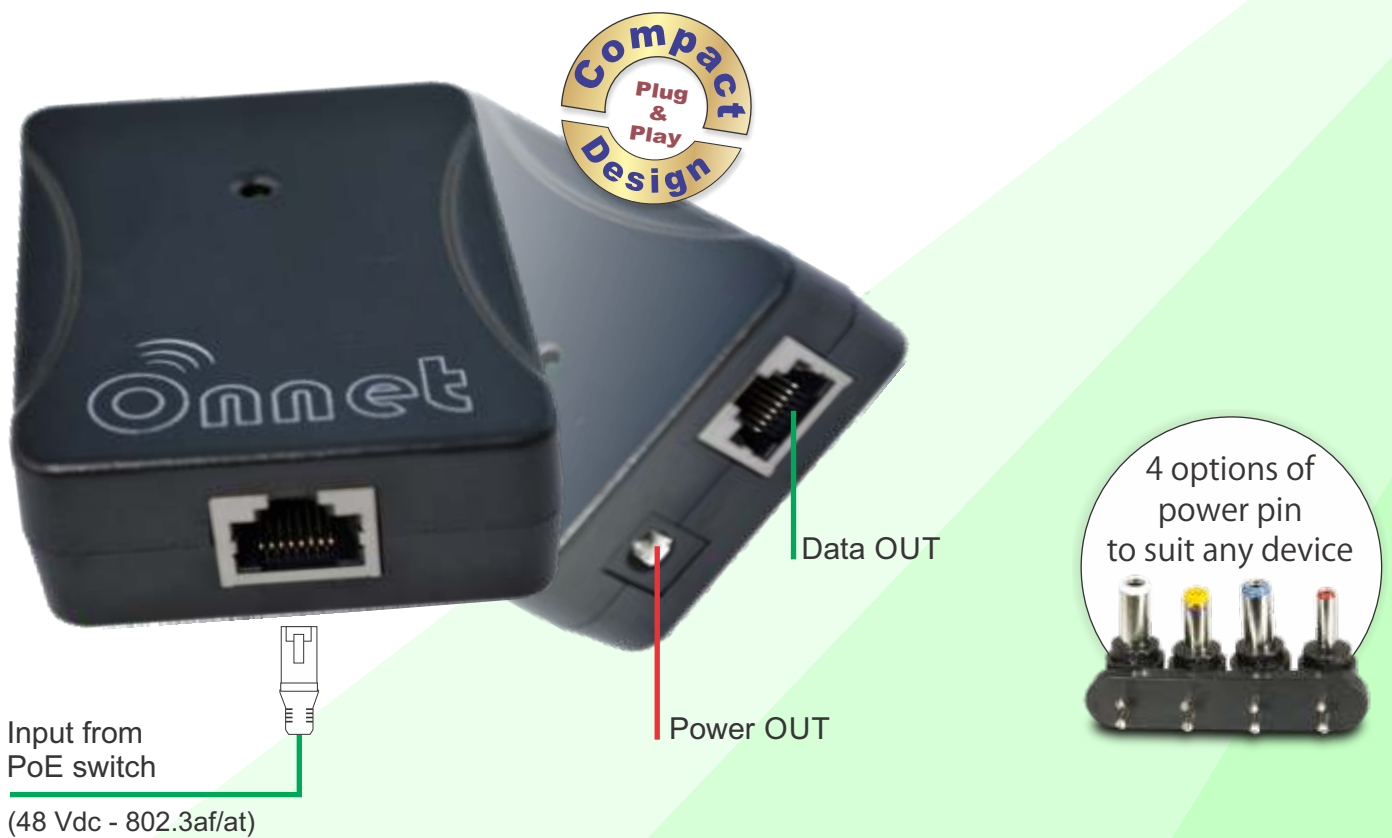


PoE + = 10/100/1000 LAN + 48V,30W Power

Onnet PoE Splitter

Onnet PoE Splitter splits network PoE signals into separate Power & Data Sources

The device allow administration to run PoE cable from standard 3af/at network PoE switch to remote device over long distance and split PoE signal into Power & Data Sources.



Features

- Compact.
- Plug & Play.
- Strong Enclosure.
- Simple in-line device.
- No power required.
- Output power is isolated from input PoE.

Input

PoE - 10/100, 48v, 3af
complied with detection

Output

Power - 5/7.5/9/12Vdc,
12W max (adjustable)

Data - 10/100 Base-T

Onnet PPOE Injector

Onnet PPOE Injector converts network PoE signals into Passive PoE source.

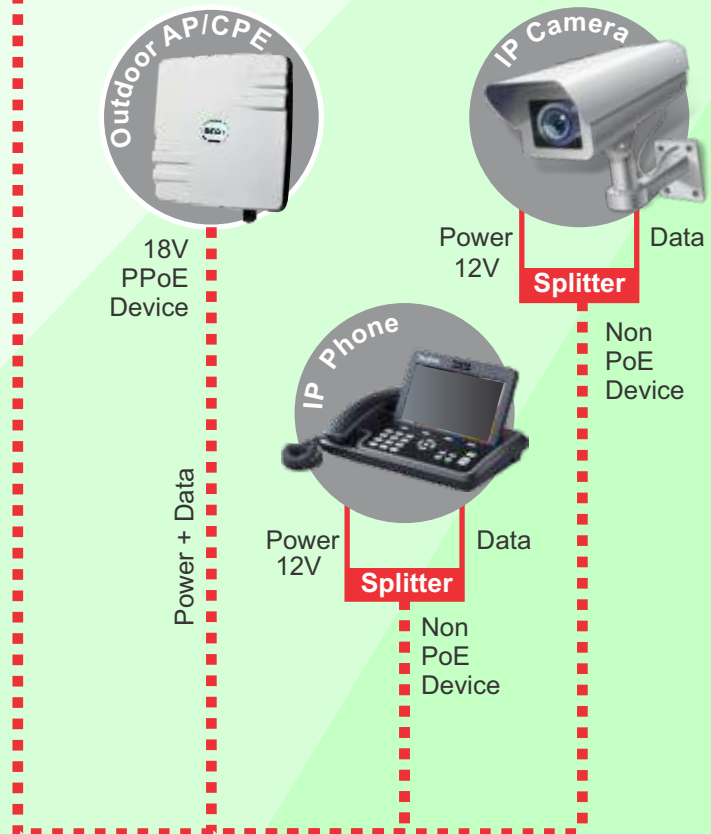
The device allows administration to establish simple and reliable Passive PoE source from standard network PoE switch and get rid off local Ac-Dc adapter and PoE inserter used to power Passive PoE devices.



INPUT	<ul style="list-style-type: none"> • PoE - 10/100, 48v, 3af - 3at complied with detection
OUTPUT	<ul style="list-style-type: none"> • Power + Data (Passive PoE) Power - 12/15/18/24Vdc Data - 10/100 Base-T • Power - 12/15/18/24Vdc (additional DC power source)

Features

- Compact.
- Plug & Play.
- Strong Enclosure.
- Simple in-line device.
- No power required.
- Output power is isolated from input PoE.



TECHNOXEN

THE TECHNOLOGY XPERT

TECHNOXEN

P.O Box: 234255

Plot no 5, Block- Dubai International Airport

Off. no. 306,

P. +971 4 250 251 6

F. +971 4 250 251 7

E. info@technoxen.com

www.technoxen.com