

# PC300G

## Gigabit IEEE 802.3at/af to Passive PoE Power Converter 12/19/24V

IEEE 802.3at/af to Passive PoE Converter **PC300G** converts a standard IEEE 802.3at/af PoE input to 12V/19V/24V passive PoE power output device, designed to prevent of the difficulty in finding power outlets in places. Being able to operate under wide temperature range from 0 to 50 degrees C, PC300G can be placed in difficult working environment. The PC300GS is compact and suitable for wall mounting in the cabinet space.



PC300G is a Gigabit Power-over-Ethernet (PoE) Converter providing a 10/100/1000Mbps Ethernet transmission for overall 100-meter distance and via its 12/19/24V DIP Switch to flexibly select PoE power out of 12/19/24V for passive PoE networking devices such as wifi AP.

Powered by a Gigabit IEEE 802.3at/af, midspan PoE switch (or gigabit PoE injector), PC300G requires no local power in the middle of the cable making it extremely easy to connect and power up passive network devices.

### Advantages:

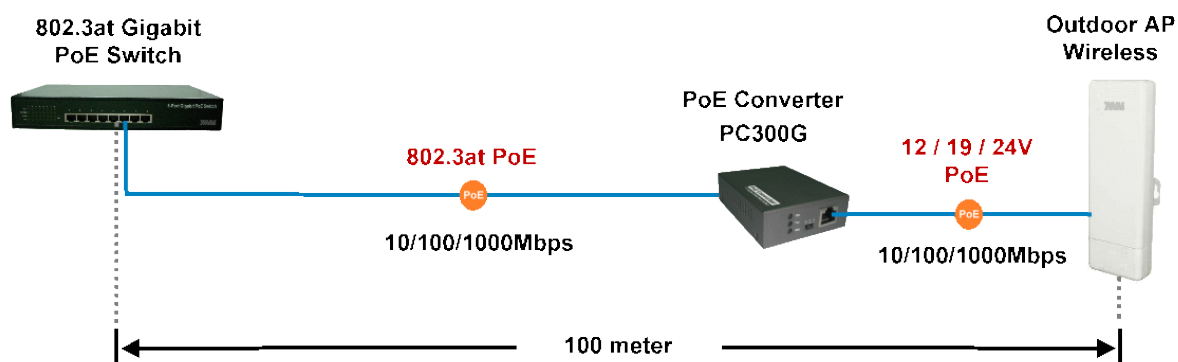
- No local power required
- Wide working temperature range from -40 to 60 degrees C (Optional for model PC300GI)
- 10/100/1000Mbps Ethernet Wire Speed
- Compatible with IEEE 802.3at/af PoE and midspan PoE standard
- DIP Switch for 12/19/24VDC output selection
- LED shows acting DC voltage to ensure the right configuration
- Isolation circuitry
- Simple to install – Plug & Play

### Yoda Communications, Inc.

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## Application: Passive WiFi AP with PC300G



### Hardware Specification

<b>Interface</b>	PoE In Port: 1 x IEEE 802.3af/at, midspan PoE RJ-45
	Passive PoE Out Port: 1 x non-802.3at/af RJ-45
<b>LED Indicator</b>	Passive PoE Out
	● 12V (Green)
	● 19V (Green)
	● 24V (Green)
<b>Network Cable</b>	10Base-T: 2-Pair UTP Cat. 3, 4, 5
	100Base-TX: 2-Pair UTP Cat. 3, 4, 5
	1000Base-T: 2-Pair UTP Cat. 5, 5e, 6
	EIA/TIA-568 100-ohm STP
<b>DIP Switch</b>	12V/19V/24V DC Output Voltage
<b>Power Input</b>	IEEE 802.3at/af Power over Ethernet End-Span / Mid-Span Class 4 PD
<b>Power Output</b>	Maximum Passive PoE Output 24W
	12V DC, 1A
	19V DC, 1A
	24V DC, 1A
<b>Power Output Pin Assignment</b>	4/5(+), 7/8(-)
<b>Data Rate</b>	10/100/1000Mbps

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<b>Maximum Distance</b>	Up to 100meters (Including PC300G)
<b>Dimensions (W x D x H)</b>	95 x 70 x 26 mm
<b>Weight</b>	180g
<b>Number of devices that can be powered</b>	1
<b>Operating Temperature</b>	0~50 degree C or -40 ~ 60 degrees C (Optional)
<b>Storage Temperature</b>	-40 ~ 85 degrees C
<b>Operating Humidity</b>	5 ~ 90%, Relative Humidity, non-condensing
<b>Storage Humidity</b>	5 ~ 90%, Relative Humidity, non-condensing
<b>Working with Outdoor Wireless APs</b>	
<b>2.4GHz</b>	WR-21610 @ 12V WT-20911P/20910P/21611P @12V
<b>5GHz</b>	WA-53520 @ 12V WA-53520B @ 12V/19V WR-51610 @ 12V/19V/24V
<b>Standards Conformance</b>	
<b>Standards Compliance</b>	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000Base-T Gigabit Ethernet IEEE 802.3at High Power over Ethernet IEEE 802.3af Power over Ethernet
<b>Regulation Compliance</b>	FCC Part 15 Class A, CE

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