



# GPEx6

(CSS606-1G-2Gi-3S+OUT)

Cut the cable clutter – extend power and fiber together, anywhere – with a single hybrid cable. At the far end, the GPEx6 splits it all neatly: SFP+ for further long-distance uplinks, PoE-out for powering cameras or access points, and DC outputs for IoT gear or specialized devices.



**3x Gigabit  
Ethernet**



**Heavy-duty IP66  
enclosure**



**Flexible powering**  
PoE-in, 2x PoE-out, DC  
jack, 3x DC-out



**A dedicated 10G  
switch chip**



**3x 10G SFP+**

## Built for the toughest deployments

The outdoors can be brutal: blistering heat, freezing cold, wind, rain. The elements attack your gear. The wiring is a nightmare. The GPERx6 **solves both problems** – a rugged, outdoor-ready switch that cuts cable clutter and keeps deployments simple.

On the surface, it's straightforward:

- 3 Gigabit Ethernet ports with PoE-in (#1) and PoE-out (#2 & #3)
- 3× 10G SFP+ cages for long-distance fiber
- 3 DC outputs for devices that don't use PoE, for example, IoT setups
- Heavy-duty IP66 enclosure with handy mounting hardware
- A dedicated 10G switch chip (tested in ISP favorites like the netPower Lite 7R)

But the real advantage is how it allows you to manage power and data over long distances (1-2 km) even in the trickiest scenarios!



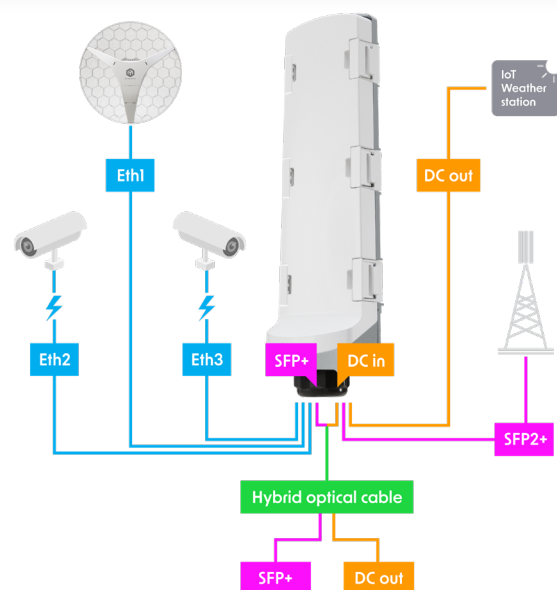
Check out our YouTube and TikTok videos for this product!



## Hybrid cable advantage

With hybrid fiber + copper cables, the GPERx6 becomes a power-and-data lifeline:

- Fiber strands carry your high-speed uplink.
- Copper conductors deliver DC power.
- At the far end, the GPERx6 splits it all:
  - SFP+ uplinks for data.
  - PoE-out for cameras or access points.
  - DC-out for IoT devices or special hardware.



### Perimeter surveillance

cover large campuses, estates, industrial parks, or ports with fewer cable runs.



### Remote CCTV towers

one hybrid cable powers and connects it all.



### IoT deployments

use DC-out where PoE isn't practical.



### Solar-powered edge setups

every watt and every meter counts.

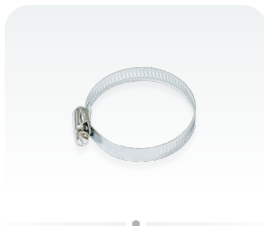
## • Specifications

Product code	CSS606-1G-2Gi-3S+OUT
Number of 1G Ethernet ports	3
Number of 10G SFP+ ports	3
Switch chip model	88E6193X
Certification	IP66
Dimensions	406 x 116 x 76 mm
Operating system	SwOS
Operating temperature	-40°C to +70°C

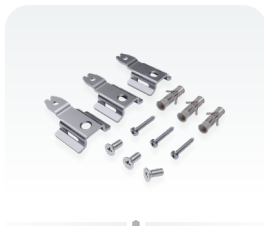
## • Powering

Number of DC inputs	2 (DC jack, PoE-In)
DC jack input Voltage	12-57 V
PoE-In input Voltage	42-57 V
PoE-In	802.3 bt
PoE-Out	Passive PoE up to 57V (Ether2- Ether3)
Max out per port output (input < 30 V)	1.2 A
Max out per port output (input > 30 V)	0.625 A
Max total out	2.4 A
Number of DC-out ports	3, DC1-DC3 Max total out 3.6 A
Max power consumption (without attachments)	6 W
Max power consumption	160 W

## • Included parts



Hose clamp



Fastening set