

All in one device for outdoor wireless application!

CS-5400CPE

802.11g Wireless Outdoor 20dBm
All-in-one CPE

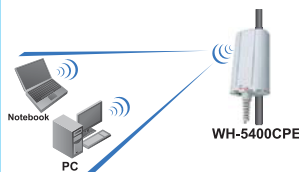
- Atheros 802.11b/g radio, 20dB output power
- Integrated 12dBi patch antenna
- Long distance firmware
- AP, Client, and Bridge modes
- Weather proof housing
- Power over Ethernet for outdoor application
- Optional wall mount kits



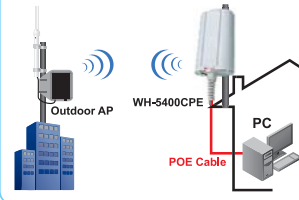
Long Distance Firmware

Designed for up to 3 km Distance,
Max 7km in good weather condition!

AP Mode



Client Mode



Bridge Mode



Connectstar CS-5400CPE is an all-in-one device for outdoor wireless application that includes everything you need to make an outdoor wireless connection. With integrated 12dBi

antenna inside the CPE case,

it can reach a distance of 3 to 6km.

The special designed

splash proof cap for POE/Ethernet cable, the CPE uses conventional

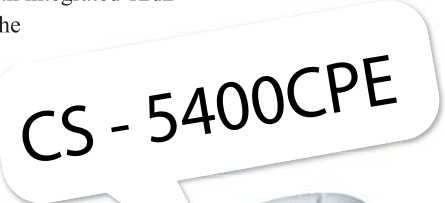
outdoor grade UTP cable with RJ-45 connector. The CPE features

long distance firmware of ACK value in distance and the

standard POE kit is included.

The following is a very good example shows you what

functions it have and how use it.



EXAMPLE OF APPLICATION TO WIFI NETWORK



Kozlovce.net introduction

Kozlovce.net is the wireless network realized via Wi-Fi technology. Network is based on 5 Access Points (MUSTKY, HURA, MERKOVICE, JIZDARNA, GARAZE) in the Kozlovce locality. The target of this network is to provide the internet connection for municipal authority,

school, library etc. The free capacity is provided to the citizens of Kozlovce.

Actually connected more than 400 users in locality Kozlovce.

The Kozlovce.net also provides:

- Email box.
- Web space on the server (PHP and MySQL)
- IP telephony (e.g. SKYPE)
- Voice services
- Support of interesting projects or cultural events

How we used this outdoor device

Outdoor wireless networks are a bit more complicated than indoor networks. Typically, there is necessary an antenna and this antenna must be connected to access point by coaxial cable. We need also some connectors. These devices are usually placed on some constructions such as roofs, pillars and towers, and of course, they are placed outdoor. It means that these devices are exposed to rain, sun, snow and many other things, which can have negative effect to its function.

Because of this, it is necessary to make something, what could protect our



devices. People are usually inserting hardware to some plastic boxes. These boxes are primarily used in electrical application and wifi-technician must modify them for his requests. Most often, it is needful to drill some outlets for cables and

then obturate this outlets again. It was only one solution of outdoor installations until Connectstar CS-5400CPE All in one solution came.

According specifications Connectstar CS-5400CPE looks like normal wifi device. It can work in several modes (AP, Client, WDS Bridge) and dispose of all regular functions. But this device is specially designed to outdoor use. It is access point and antenna in one. Device has lower attenuation than other device, which uses additional cable. We also don't need any other connector and selling material. Case of this product is well water-checked.

But it is not all. Connectstar CS-5400CPE is designed for power over ethernet. So we need only one ethernet cable to connect to Connectstar CS-5400CPE. It is surely better to install only one cable, when we are working on some construction.

There was some moment in our network, when we needed create some wifi connection for temporary usage. I decided to use Connectstar CS-5400CPE, which I already had good experience with. In this case, new access point was needed. Its configuration is really fast and easy, but it is the same with other Connectstar products, very simple and user friendly.

Main advantage consists in montage. I was very lucky, that this device is so lightweight and from this reason doesn't need intricate method of fixation. Whole installation of this access point to mast consisted only from construction of one screw and connecting ethernet cable to ap's socket. That was all, just only screwdriver



and no other assembly tools. No cabling, no drilling work, etc. That is very good if you are doing something on high construction. After this installation AP was ready to work in rain, snow, wind and in fact in whatever weather. I only connect another end of cable to POE component and internet socket.

In fine, we can say that Connectstar CS-5400CPE is very compact product, very suitable for outdoor usage. Installation of it is very comfortable, easy and fast.

*** POE Cable is optional, not included**

CS-5400 Packaging :



POE DC Injector



(Optional) 25m POE Cable



12V DC Power Adapter



Pole Mount Kit