

Case 1 - internal only

Source

WiFi 1

Computer, internal antenna
operational in use, alternating 1 or 2

WiFi 2

distance between wifi 1 and 2 >10 km

Case 2 - external or internal

WiFi 2

Computer, internal antenna
operational in use
distance to source 5m

Computer, external antenna
to be operational to be used
distance to source 50 m

The new installation I want to
make is the external USB adaptor
with the directional antenna.

Antenna
Adaptor

http://articulo.mercadolibre.com.mx/MLM-75242660-antena-direccional-yagi-18dbi-sma-de-alta-potencia-para-wifi-_JM

http://articulo.mercadolibre.com.mx/MLM-75254807-adaptador-de-red-wifi-tp-link-tl-wn722n-150mbps-4dbi-usb-_JM