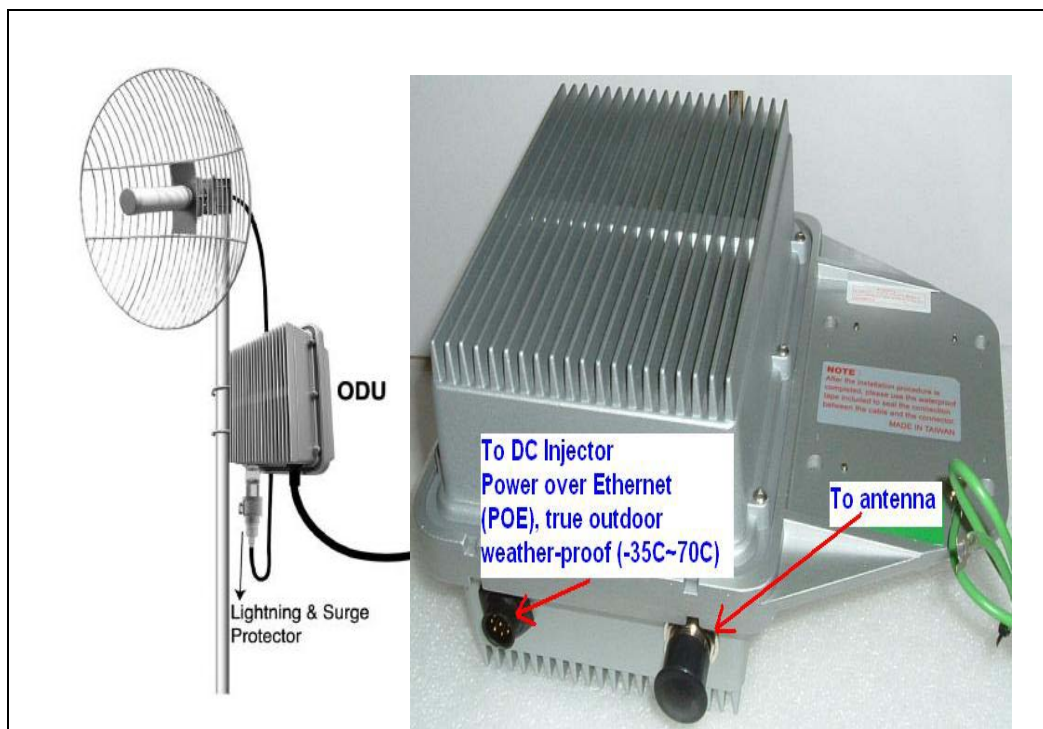


Long Range Wireless Communication Platform

Digital data & voice transmission over 10Km~25Km

ib - 241000

**2.4GHz Long Range Wireless LAN Platform
for Data & Voice Transmission**

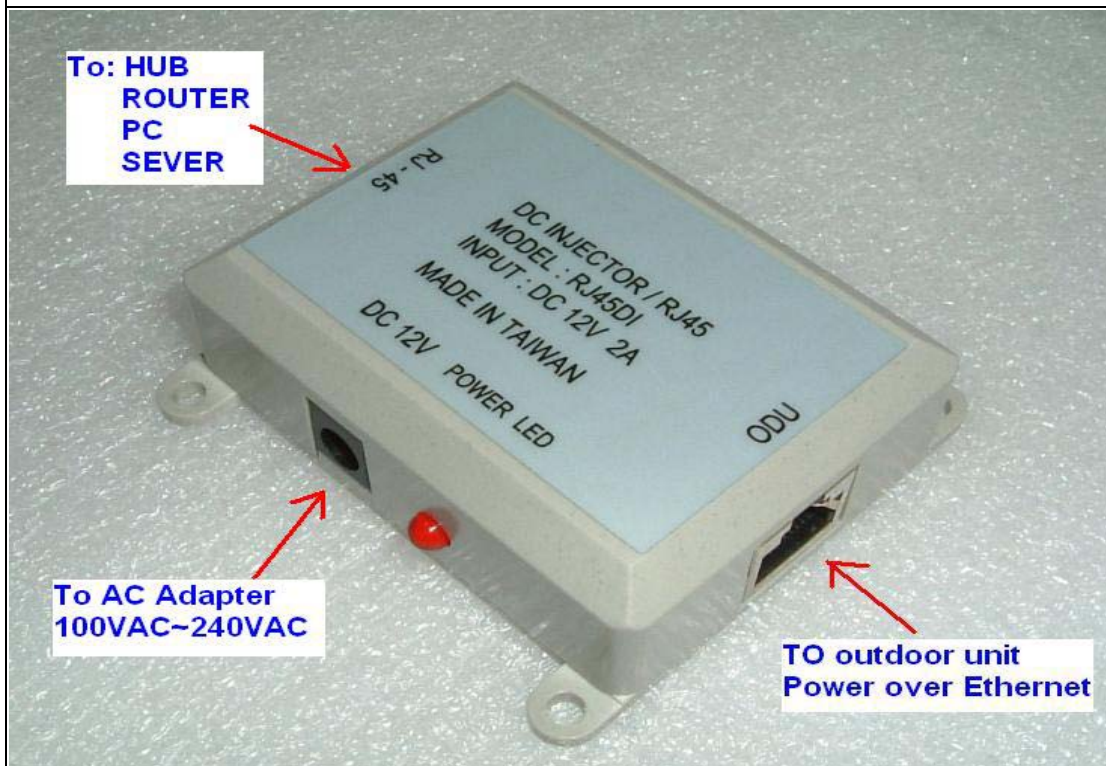


<p>Usage and Advantages</p>	<ul style="list-style-type: none"> ● Digital long-range wireless transmission for data and voice. ● Extending LAN, VOIP, phone, Internet...data, image, voice over <u>10Km~25Km</u>. ● True Outdoor Unit (Weather-proof, -35c ~ 70c) ● 3 operating mode: Bridge, AP, WEC (CPE) ● Extending multi-phone lines, LAN network from urban through far isolated rural areas: islands, mountains, villages, stand-alone farms, isolated construction sites, mines, jungles... ● Expanding and bridging multi-phone lines, existing LAN network among buildings, offices, companies, branches, cities, groups, factories... ● Combining usage of WEB related equipments like VOIP, camera... for versatile applications. <u>Advantages especially great in those areas lacking of well broad-band infrastructure.</u>
<p>Application</p>	<ul style="list-style-type: none"> ● Click on Applications for general idea ● Click on Download for detailed ideas and proposals
<p>Feature Highlights</p>	<ul style="list-style-type: none"> ● Super coverage and long range: <u>10Km~25Km</u> ● True Outdoor unit, weather-proof, operating under -35C ~ 70C ● Least gain loss of antennas, highest transmission efficiency ● POE (Power over Ethernet) design, best performance with most stability ● LAN speed, application and performance: 11Mbps ● Easy, immediate and least cost solution for expending the existing LAN network ● Data & voice simultaneously ● Reliable and high-speed transmission: 1.2Mbps up to 11Mbps ● Integrate Ethernet & RF : universal and standard LAN & RF access interfaces ● Support point-to-point & point-to-multipoint (PtMP) network. ● Fully user friendly : Software & settings defaulted; all necessary peripherals and accessories included, only wire connection : plug & play !! ● VPN service in those areas without broad-band facilities.

Platform Spec.	
Output power	1 Watt (30dBm)
Frequency	2400Mhz~2485Mhz
Number of Channel	13
Modulation	DSSS (CCK, DQPSK, DBPSK)
Wired Interface	802.1x
Radio Interface	802.11b 802.11g(OFDM)
Max. Coverage	25Km
Operating Mode	Bridge/AP/WEC
Antenna Type	Parabolic Grid, Omni-directional, Flat Panel
Gain of Antenna	30/24/20/18/15dBi
Type of Unit	True Outdoor Weather-proof
Operating Temperature	-35 C ~ 70 C
Lightening Protection	Lightening and Surge Protector
Connector Type	Ethernet : 10/100 Base T (RJ-45) Antenna : N-type, Female
Connecting mode	Ad Hoc (Bridge) Infrastructure (AP/WEC) Point-to-Point/Point-to-Multipoint
Power source	Power Over Ethernet (POE) AC 100~240V; DC 12V/2A
Weight of each unit	5.5Kg/unit (including cables and all accessories)

POE (Power over Ethernet) Design

- True Outdoor unit, weather-proof, operating under $-35C \sim 70C$
- Least gain loss of antennas, highest transmission efficiency
- POE (Power over Ethernet) design, best performance with most stability



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