REPEATIT

REPEATIT SOHO SUBSCRIBER UNITS

SU-2410b/g, SU-5410a & SU-5411a/b/g

Highlights

Consumer priced

All standards (802.11a/b/g)

Outdoor design ensures reliable long distance high performance connections.

Easy to install

Webinterface for easy configuration

No software to install

NAT router and transparent bridge modes

With and without integrated antennas for different needs

Applications

Last mile access

Campus Networking

Temporary network infrastructure, e.g. construction sites

Repeatit offers network owners a powerful and flexible system to build reliable high performance networks all the way to the end customer, exploiting all the benefits that come with the various WLAN standards.

Freedom of Choice

Thanks to the extensive range of different models of customer premises equipment, it is up to the network owner to decide which standard to use; 802.11a, 802.11b, 802.11g or a combination thereof. Flexibility is achieved by providing consumer products in conjunction with backbone products for all available standards, leaving the customer with the freedom of choice in every aspect.

Ease of use

The subscriber units are designed for optimal performance and easy installation. It means that they are built for outdoor use and are delivered complete wtih necessary brackets. The housing protects from rain, wind and dust.

No matter which standard is your choice, the units come with integrated or external antenna options.

No software is required since the modems are equipped with a webserver that only require a browser in order to configure the settings. All modems can be set in NAT router mode and transparent bridge mode.

Performance

With our subscriber units you can build access networks that exploit 54 Mbps data rate, allowing for an array of new services.

The OFDM modulation in 802.11g and 802.11a also enables you to build in densly built areas. Where reflections from buildings earlier have been regarded as obstacles, OFDM can take advantage of them and actually make the connections even more stabile.

Taking the step from 2.4 GHz (802.11b/g) to 5.4/5.8 GHz as in the 802.11a standard, makes every bit of difference. The price performance ratio is far better than that of WiMAX. The technology is available today and is license free in most parts of the world, thus no tedious license application processes are required. The availability of 11 outdoor + 8 indoor non-interfering channels instead of three in the 2.4 GHz frequency, makes it easy to design networks with a large number of users in a small area.

SUBSCRIBER UNITS

		SU-2410b/g	SU-5410a	SU-5411a/b/g
Key Features				
Infrastructure modes:	• NAT/DHCP	✔	✔	✔
	• Transparent bridge	✔	✔	✔
	• Non Transparent brigde			
	• Ad Hoc Link			
Remote Management:	• RCS	✔	✔	✔
	• Web Interface	✔	✔	✔
Connectors				
RJ45, Fix 20 m outdoor cable		✔	✔	✔
14 dBi antenna		✔		
16 dBi antenna			✔	
SMA female antenna contact				✔
Radio				
802.11b*		✔		✔
802.11g*		✔		✔
802.11a/h*			✔	✔
Max output power, adjustable (dBm)		20 e.i.r.p.	30 e.i.r.p.	12/16/14
Performance				
Data throughput (Mbit/s)		5/20	20	20/5/20
Packet throughput (Packets/s)		3000	3000	3000
Security				
Wired Equivalent Privacy (WEP) 64 and 128 bits		✔	✔	✔
Wi-Fi Protected Access (WPA) enabled		✔	✔	✔
Environment				
Outdoor Capsuling		✔	✔	✔
Operating Temperature (Celcius)		-20/+55	-20/+55	-20/+55
Power				
Power over Ethernet		24 V	24 V	24 V
Physical Dimensions				
Size: Height, Width, Depth (mm)		240x170x45	240x170x45	120x175x60
Weight (kg)		0,65	0,65	0,55

***Radio standards**	***802.11b***	***802.11g***	***802.11a***
Frequency ranges (GHz)	2.4-2.4835	2.4-2.4835	5.15-5.35 5.47-5.85 (802.11h)
Transmission rates: (Mbit/s)	1-11	1-54	6-54
Modulation	DSSS, CCK	OFDM	OFDM

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