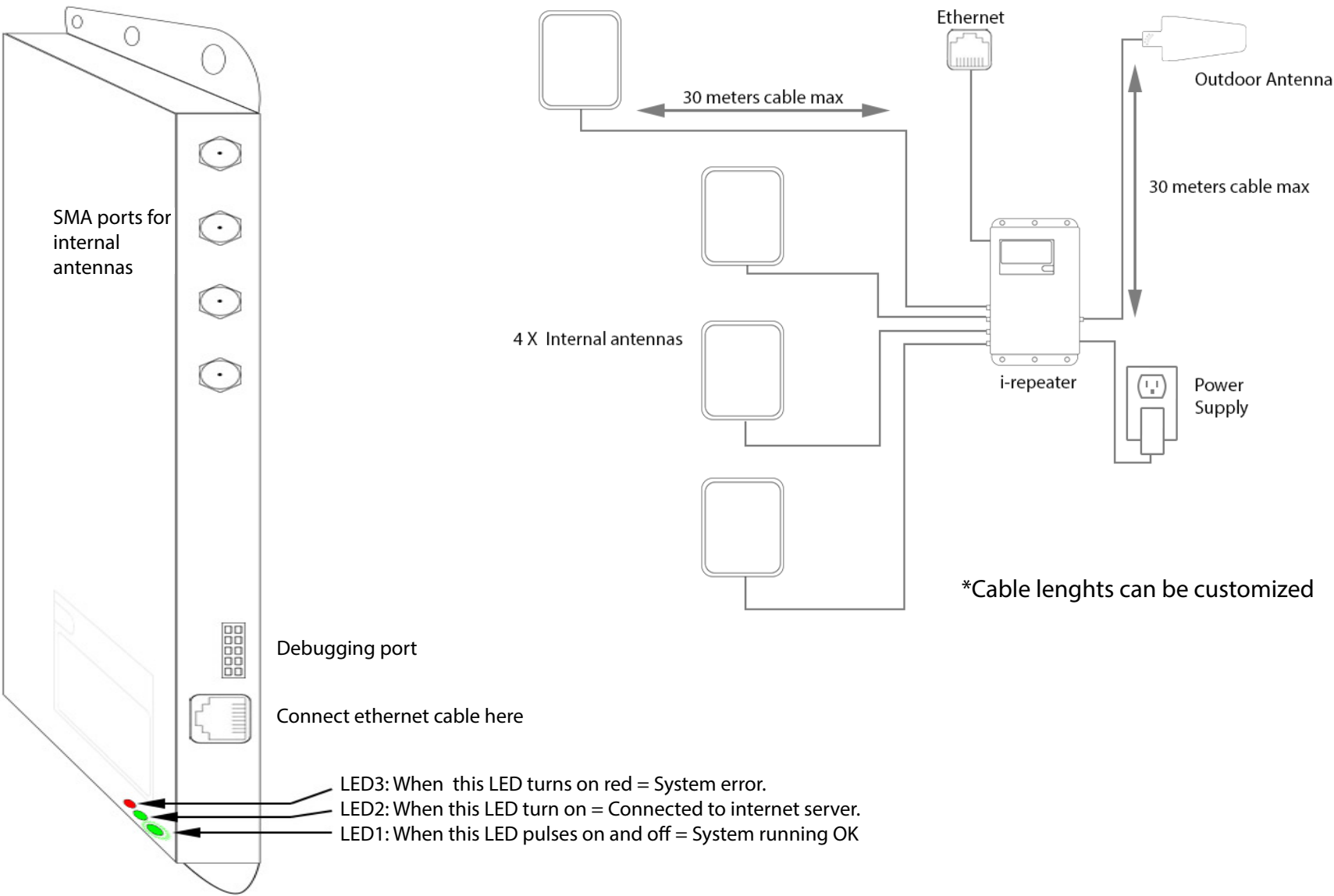


i-Repeater

Control and monitor all your repeaters through the cloud

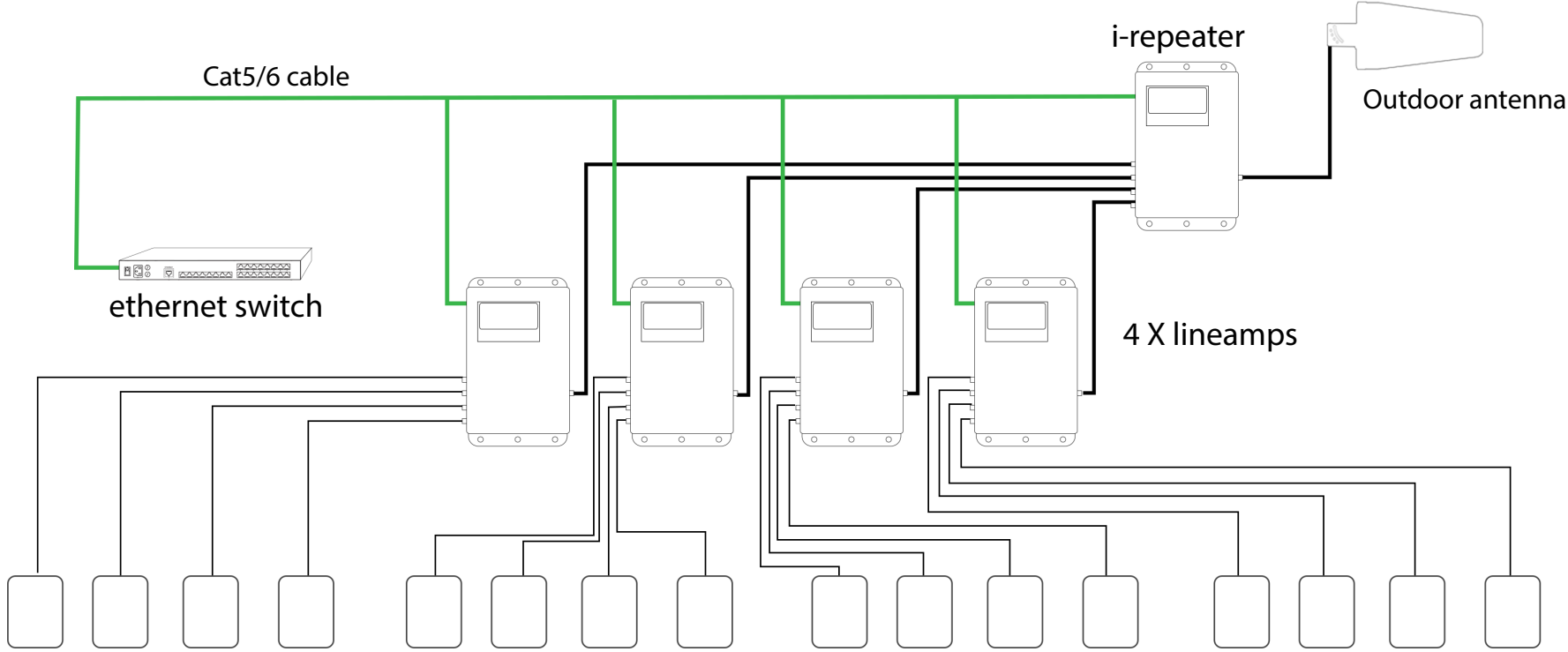


Cloud control and monitoring
Touch screen interface
Alarms
Statistics



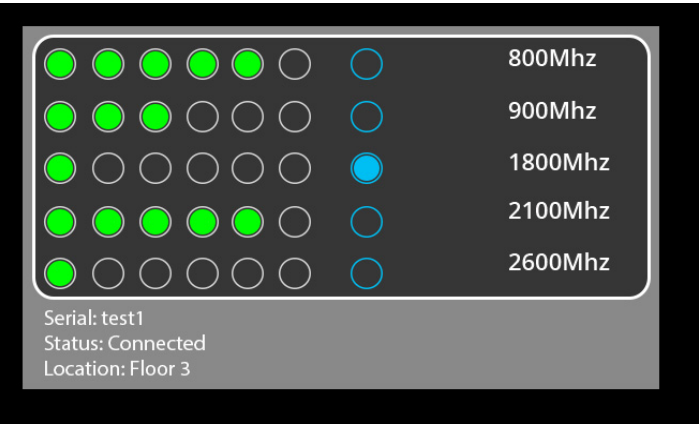
Example system for large building

i-repeater and 4 X lineamps all internet controlled
For even more coverage, duplicate this system

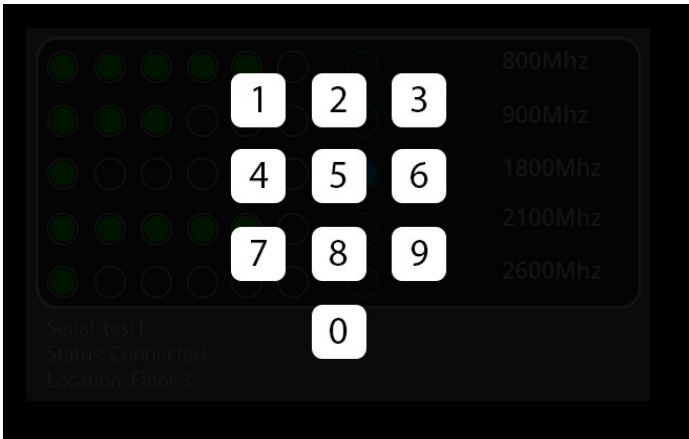


16 internal antennas - Coverage 1000m2 X 16

TouchScreen Panel



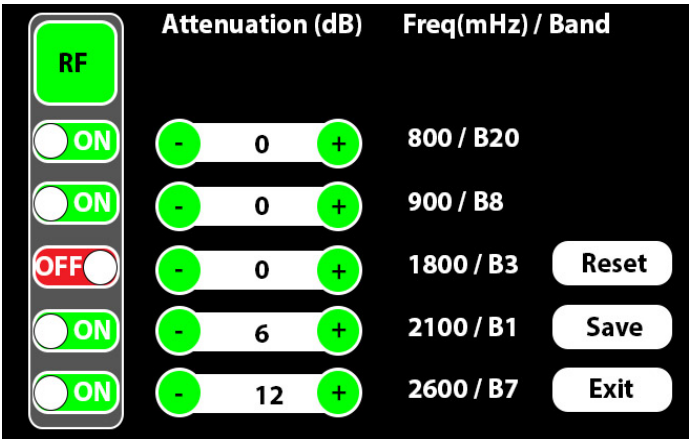
Main page:
Green signal LEDs = downlink signal strength .
Blue LED = Uplink switch on



Set up pins:
Admin , installer, user pin code
Different levels of access

Freq(MHz) / Band	800/B20	900/B8	1800/B3-	2100/B1	2600/B7
Power up (dBm)	-15	-15	-20	-15	-15
Power dn (dBm)	-30	-30	-15	-30	-30
Temp up (dB)	5	5	12	5	5
Temp dn (dB)	0	0	5	0	0
Phone up (dB)	0	0	0	0	0
mgain up (dB)	0	0	0	0	0
mgain dn (dB)	0	0	0	0	0
Osc up (dB)	0	0	3	0	0
Osc dn (dB)	0	0	3	0	0
Skew (dB)	8	8	8	8	8

Decibel page:
See the internal Db values in the repeater.
Usefull for indepth diagnostics.



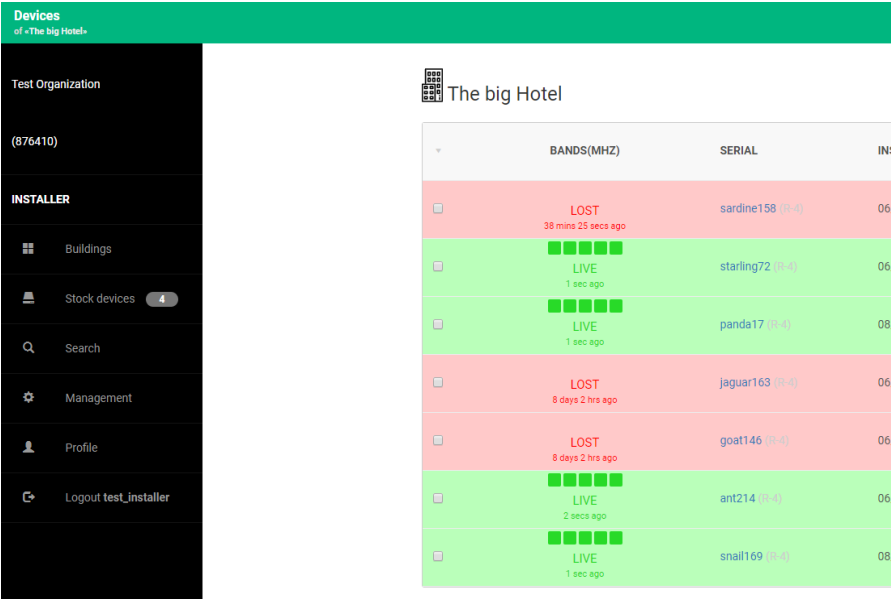
Control page:
Switch on / off bands
Attenuate bands

Online Dashboard Panel

Alerts:
Get alerted by emial if there is any issues with your devices.

Remote Control from any computer/ phone:
-Switch Off/ On/ or Attenuate, individual bands of any device.
-Switch off Power to one or all devices in a building.
-Reboot devices.

Monitor:
-Up/Downlink Power
-Up/Downlink Gains
-Up/Downlink AGC
-Up/Downlink Oscillations/feedback
-Temperature on PCB board



Specification



Model number:	i4-LGDWH
Frequency	800/900/1800/2100/2600
Remote monitoring:	Yes

Frequency Specifications:

Frequency bands(Mhz):	(791-862) + (880-960) + (1710-1880) + (1.92-2.17) + (2500-2690)
Coverage:	(1000m ² per antenna X 4) = ~15 rooms
Number of People:	Unlimited
Gain:	Uplink Gp > 50dB Downlink Gp> 60dB
Pass band ripple:	< 4dB
I/O impedance:	50 ohm/SMA female connector
Max uplink/downlink signal strength:	19dBm / 10dBm
Ambient Temperature:	-30°C to +70°C
Power supply input:	110 - 240V AC
Power supply output:	12v DC
Oscillation Control	Automatic
Level Control:	Automatic*
Uplink Switch Off	Yes**
AGC Range	30db
Surge protection	SMA connectors DC grounded, 12V DC port MOV protected

Antenna Specifications:

	Indoor antenna	Outdoor antenna
Nominal Gain	6.4dBi / 9.4dBi	10dBi
3dB beam Pattern	60° x 60°	60° x 50°
Bandwidth	790-960MHz + 1710-2700MHz	790-960MHz + 1710-2700MHz
VSWR	<1.4	<1.5
Front to Back Ratio	> 20dB	> 20dB
Polarization	Vertical	Vertical
Power Rating	50W	50W
Impedance	50-OHM	50-OHM
Termination	SMA male	N-Female
Cross Pol. Discrimination	-20dB	-20dB
Dimensions	210 x 180 x 43mm	442 x 205 x 62mm
Weight	0.68kg	1.2kg
Wind velocity	126km/hr	140km/hr
Working temperature	-40°C to +65°C	-40°C to +65°C

Power Supply Specification:

AC	100-240V	50-60Hz
DC input	12V	3.6A
Typical power usage		33W

Mechanical Specification:

Length	35cm
Width	30cm
Depth	4.4cm
Weight	2kg
Mounting	6 x 5mm holes for mounting

* Automatically adjusts during installation. Thereafter, automatically adjusts for seasonal variation in pathloss between basestation and outdoor antenna.

** The up-link amplifiers switch off when the repeater is not in use. This reduces the uplink noise to almost zero. When the repeater is in use (eg. phone call being made), the up-link amplifier switches on for the duration of the call and a blue LED switches on indicating this is the case.

Note: Specifications subject to change without notice.