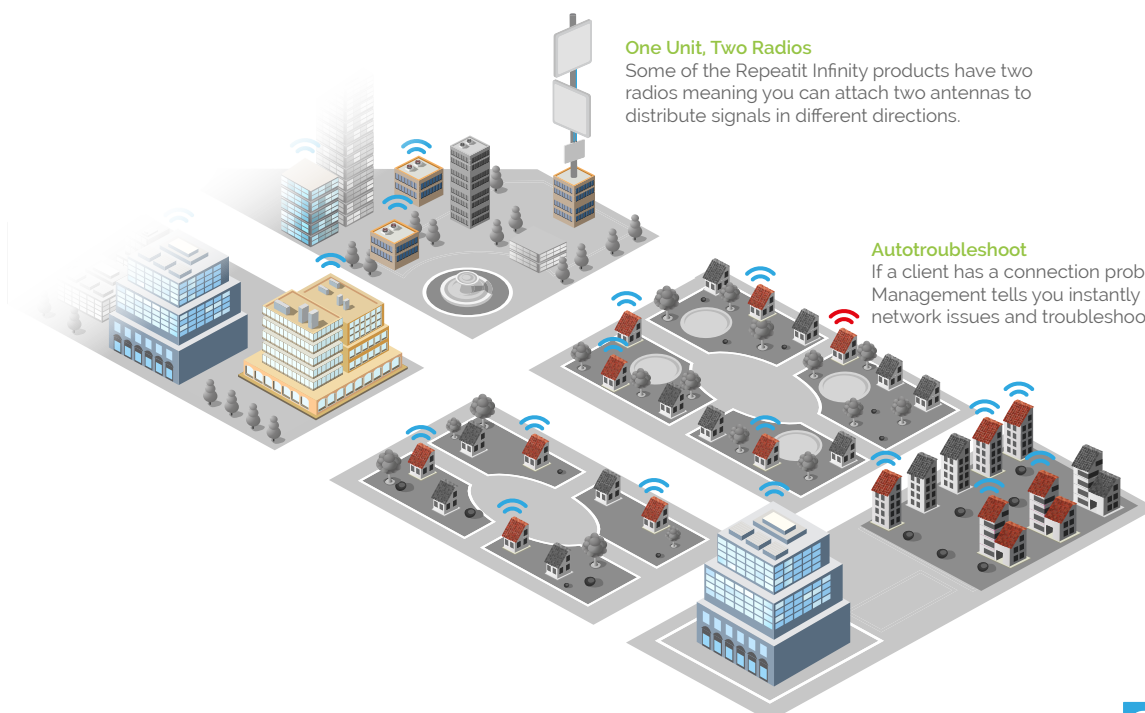# Repeatit INFINITY

Highly scalable Point to Multipoint with a next gen management system

The Repeatit Infinity range enables ISPs, carriers, businesses and under-served regions to extend network connectivity with a highly scalable Point to Multipoint platform supported by next generation management.

Repeatit Infinity unites high quality Point to Multipoint with management built by network operators for network operators to overcome roll-out obstacles, economic challenges and support issues.

Through integration with RCS, Repeatit's free network management software, Infinity reduces cost and time of deployment, greatly increases ability to troubleshoot remotely whilst also providing users with a wire-like wireless connection.

Due to it's technological and commercial advantages, Infinity is widely used by ISPs, carriers, network operators in large-scale networks in under-served markets.

One Unit, Two Radios
Some of the Repeatit Infinity products have two radios meaning you can attach two antennas to distribute signals in different directions.

Autotroubleshoot
If a client has a connection problem, Repeatit RCS Management tells you instantly so you can identify network issues and troubleshoot them.
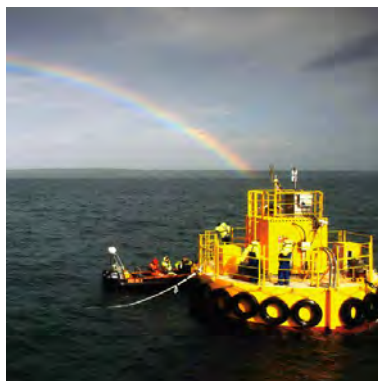
Repeatit Infinity Platform

Smart Software, Innovative Hardware
Repeatit Infinity hardware is designed to provide solid wire-like wireless connections at a cost effective price. By uniting innovatively priced, high quality hardware with a smart software management system, Repeatit Infinity goes further pushing both technological and commercial boundaries.

Markets & Applications
Repeatit Infinity is deployed globally for ISP, business and integrator connectivity due to the best price vs. performance hardware and unique management. Applications include rural broadband, ISP connectivity, large private networks and connectivity to under-served / developing regions.

Repeatit RCS Management

Free to all Repeatit customers, RCS is Repeatit's advanced network management tool which simplifies networks making deployment and management cost effective greatly enhancing network & customer visibility.

Rich Network Analytics
At the heart of Repeatit's RCS is a powerful network analytics tool providing details from individual link statistics to usage broken down by geographical area.

Simple Deployment & Network Roll-out
The RCS management platform enables operators to deploy "zero-touch" networks using a unique configuration technique where a subscriber can simply obtain it's IP settings from a base station using mac-based authentication reducing the need for manual config. This greatly reduces cost of installation for ISPs and number of human errors made by engineers.

Fault Finding & Simple Troubleshooting
Each Repeatit Infinity & Trinity unit that is managed by RCS has a connection score out of 100 indicating the radio strength & performance of wireless connection. From this score, network admins can determine whether engineers are needed saving time & money.

Network Operator CRM
As well as providing a leading management solution, Repeatit RCS also works as a CRM designed for network operators & ISPs. With customer fields such as name, address, status and a system for providing note updates, RCS can be used to see which potential customers may want to upgrade their bandwidth package or take advantage of other services the ISP/operator offers.

Full Remote Configuration & Management
The RCS platform enables full remote configuration & management of both Infinity & Trinity units enabling the network operator the change vital settings as and when needed.

Critical Alerts in Realtime
Repeatit RCS has a realtime alert engine that instantly notifies an administrator when connections are down or when anomalies appear, providing critical to day to day network runnings.

REPEATIT

Repeatit Infinity Base Stations (BS)

	BS320	BS322	BS340	BS342
Throughput	190Mbps	380Mbps	190Mbps	380Mbps
Radios	Single Radio	Dual Radio	Single Radio	Dual Radio
Antenna	NA - connectorized	NA - connectorized	16dBi Dual Pol Antenna	16dBi Dual Pol Antenna
Physical Design	Small form factor, low profile design	Small form factor, low profile design	Low profile, industrial design	Low profile, industrial design
Ruggedized	IP67 Rated	IP67 Rated	IP67 Rated	IP67 Rated
Performance Features	Up to 30km distance -40˚/+55˚ C temp. range Surge Protection	Up to 30km distance -40˚/+55˚ C temp. range Surge Protection	Up to 30km distance -40˚/+55˚ C temp. range Surge Protection	Up to 30km distance -40˚/+55˚ C temp. range Surge Protection
Management Options	1) Repeatit Control System (RCS) 2) Local Web 3) SNMP	1) Repeatit Control System (RCS) 2) Local Web 3) SNMP	1) Repeatit Control System (RCS) 2) Local Web 3) SNMP	1) Repeatit Control System (RCS) 2) Local Web 3) SNMP
Frequencies	5GHz: 5.15-5.845 3GHz: 3.35-3.75 6GHz: 5.925-6.425	5GHz: 5.15-5.845	5GHz: 5.15-5.845	5GHz: 5.15-5.845

Repeatit Infinity Subscriber Units (SU)

	SU100	SU116	SU123
Throughput	100Mbps	100Mbps	100Mbps
Antenna	NA - connectorized	16dBi Dual Pol Antenna	23dBi Dual Pol Antenna
Design	Small form factor, low profile design	Ultra-small form factor, low profile	Low profile, industrial design
Ruggedized	IP67 Rated	IP67 Rated	IP67 Rated
Performance Features	-40˚/+55˚ C temp. range Surge Protection Selectable channel widths: 5/10/20/40 MHz	-40˚/+55˚ C temp. range Surge Protection Selectable channel widths: 5/10/20/40 MHz	-40˚/+55˚ C temp. range Surge Protection Selectable channel widths: 5/10/20/40 MHz
Management Options	1) Repeatit Control System (RCS) 2) Local Web 3) SNMP	1) Repeatit Control System (RCS) 2) Local Web 3) SNMP	1) Repeatit Control System (RCS) 2) Local Web 3) SNMP
Frequencies	5GHz: 5.15-5.845 6GHz: 5.925-6.425	5GHz: 5.15-5.845 3GHz: 3.35-3.75	5GHz: 5.15-5.845 6GHz: 5.925-6.425

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