

R-Series Microsite Equipment

Microsite Solution for Public Safety



A Powerful & Cost-Effective Solution for P25 Systems Facing Coverage Issues

What is “Marginal Coverage”?

P25 coverage gaps caused by terrain impediments or population growth.

- Multiple buildings with limited/no coverage
- Blackout or Dead Zones that cover several square miles
- Population growth into rural outer fringe areas with limited/no coverage

A Superior & Affordable Solution

Traditional trunking solutions, such as BDA installations, new towers or new radio sites are cost & time prohibitive.

- Unication’s Microsite Solution extends existing P25 coverage into marginal or new coverage areas at a fraction of the cost
- Allows site installation in remote areas
- Uses existing legacy Police/Fire VHF base sites & antenna towers



■ Site Assembly & Equipments:

• Cabinet

Standard 72" cabinet supports up to five full 130W per channel transmitters with ample space for additional equipment and redundant receivers

• Redundancy and Alarming

Dual 120VAC power supplies

Soft power supply transfer from AC to +/-48VDC with no communications interruption

Automatic control channel reassignment to any BR01 at site

TC01 Site Controller has dual fully redundant power supply inputs, and automatically transfers to another TC01 in case of failure

External LNA splitter is powered by TC01 redundant DC supply

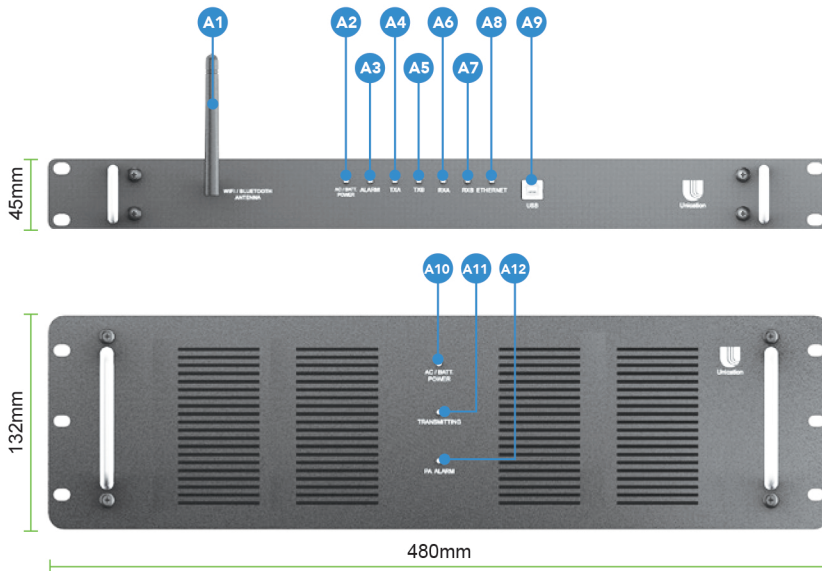
Optional BR01s for added redundancy

Full complement of remotely monitored real-time Radio and Site alarms



■ Appearance Introduction of BR01:

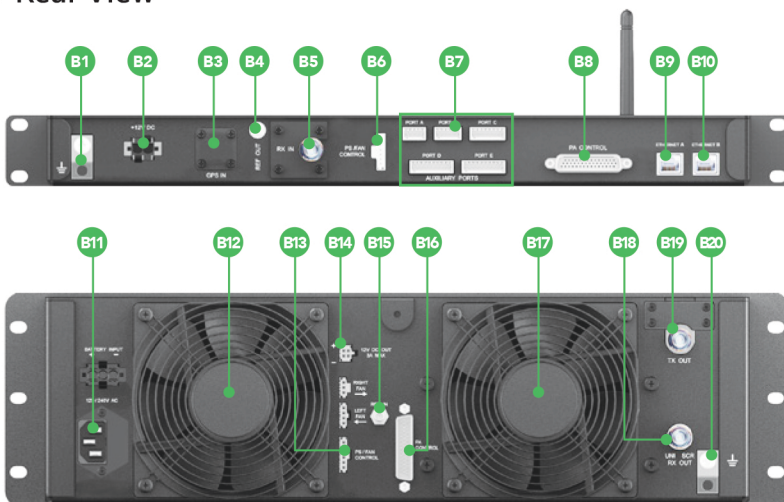
• Front View



A: Front View

A1 Bluetooth Antenna (Optional)	A7 RXB Indicator
A2 AC/BAT Power Indicator	A8 Ethernet Indicator
A3 ALARM Indicator	A9 USB Port
A4 TXA Indicator	A10 AC/BAT Power Indicator
A5 TXB Indicator	A11 Transmitting Indicator
A6 RXA Indicator	A12 PA Alarm Indicator

• Rear View



B: Rear View

B1 Ground Screw	B11 AC Input
B2 CR01 12VDC Power Input	B12 Power Supply Fan
B3 GPS Antenna (Optional)	B13 PA Fan Control
B4 Reference Out	B14 CR01 12VDC Power
B5 RX Connector	B15 Reference Input
B6 PA Fan Control	B16 PA Control
B7 Accessory Connector	B17 PA Fan Control
B8 PA Control	B18 Uni Scr (R&R) RX Out (Optional)
B9 Ethernet Port A	B19 TX Connector
B10 Ethernet Port B	B20 Ground Screw