



**What do you do
if an F4 tornado
takes down your
communications?**

**BSCT
GROUP**

We Have Solution !





Deploy the “COLT”

Disaster Recovery Cell Site on
Light Truck



BSCT group in collaboration with coreNOC

Introducing COLT

- Perfect for rapid response to emergencies in disaster areas where communication is compromised or non-existent
- Truly mobile access utilizing a regular pick-up truck
- Easy for non-technical people to deploy in under ten minutes
- Operates on a fully independent communications network
- Using multiple COLTs can create a grid for expandable coverage
- Provides high speed internet



CONTACT US FOR DETAILS AND A DEMONSTRATION:
Info@BSCTGroup.com

5Ghz PtP Specifications

| airFiber AF-5 / AF-SU | |
|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dimensions Radio Box | 938.4 x 468.4 x 281.4 mm (36.94 x 18.44 x 11.08") 1042 x 573 x 502 mm (41.02 x 22.56 x 19.76") |
| Weight Radio (Mount Included) Box | 16 kg (35.27 lb) 26.5 kg (58.42 lb) |
| Max. Power Consumption | 40W |
| Power Supply | 50V 1.2A PoE GigE Adapter (Included) |
| Power Method | Passive Power over Ethernet |
| Supported Voltage Range | +42 to +58VDC, -48 VDC |
| Automatic Transmit Power Control (ATPC) | Yes |
| Certifications | CE, FCC, IC |
| Mounting | Pole Mount Kit (Included) |
| Wind Loading | 863 N @ 200 km/hr (194 lbf@125 mph) |
| Wind Survivability | 200 km/hr (125 mph) |
| Operating Temperature | -40 to 55° C (-40 to 131° F) |
| LEDs | (12) Status LEDs: Data Port Link/Activity Data Port Speed Management Port Link/Activity Management Port Speed GPS Synchronization Master/Slave Link Status Modulation Mode 0.25x to 4x, 6x, 8x, 10x (Unlabeled), Overload Remote and Local Displays (Calibrated Signal Strength) |
| Operating Frequency | |
| AF-5 FCC 15.247, 15.407, IC RSS-210 ETSI EN 301 893, EN 302 502 Other Regions | 5470 - 5600 MHz 5650 - 5850 MHz 5470 - 5875 MHz 5470 - 5950 MHz |
| AF-5U FCC 15.247, IC RS-210 ETSI EN 302 502 Other Regions | 5725 - 5850 MHz 5725 - 5875 MHz 5725 - 6200 MHz |
| Interface | |
| Data Port | (1) 10/100/1000 Ethernet Port |
| Management Port | (1) 10/100 Ethernet Port |
| Auxilliary Port | (1) RJ-12 Alignment Tone Port |
| System | |
| Maximum Throughput | 1.2 + Gps |
| Maximum Range | 100+ km (Dependent on Regulatory Region) |
| Packets per Second | 1+ Million |
| Encryption | 128-Bit AES |
| Uplink/Downlink Ratio | 50% Fixed |
| Latency Full Duplex Mode Half Duplex Mode | < 200 ps at Full Throughput < 2 ms at Full Through put |
| Radio Frame Synchronization | GPS |
| Dynamic Frequency Selection AF-5 AF-5U | CE FCC/IC CE (FCC/IC Not Applicable) |
| MTU (Maximum Transmission Unit) | Up to 9600 |

Winegard Satellite Specifications

| | |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Mechanical | |
| Reflector | 75 cm Elliptical Antenna, off set feed |
| Axis Configuration | Elevation over Azimuth |
| Deployment Sensors | GPS GPS Compass Automatic heading ± 1.0 degrees Tilt sensor $\pm 0.1^\circ$ |
| Azimuth | $\pm 200^\circ$ from Azimuth Home Position (400 degrees total) |
| Elevation | 0 - 95" |
| Elevation Deploy Speed | Variable .5"/sec typ. |
| Azimuth Deploy Speed | Variable .5"/sec typ. |
| Peaking Speed | .05"/sec |
| Environmental | |
| Survival | |
| Wind Deployed | 75 mph (121 km/h) |
| Wind Stowed | 100 mph (160 km/h) |
| Temperature | -40°C to 60°C (-40°F to 149°F) |
| Operational | |
| Wind | 72 km/h (45 mph) |
| Temperature | -30°C to 55°C (-22°F to 130°F) |
| Thermal Test per MIL-STD-810G | |
| Vibration Test per MIL-STD-810G | |
| Mechanical Shock Test per MIL-STD-810G | |
| Electrical | |
| Rx & Tx Cable | RG6 coax cable - 40 ft |
| Control Cables | |
| | Standard: RG-6 coax cable - 40 ft |
| | Optional: RG-6 coax cable up to 150 ft available |
| Frequency (GHz) | |
| Receive | 18.30 - 20.20 |
| Transmit | 28.10 - 30.00 |
| Feed Interface (Circular) | Single Coax Cable |
| RF Interface | |
| Radio Mounting | Feed Arm |
| Coaxial | RG-58/U from Transceiver to Base Connector |
| Physical | |
| Stowed Dimensions | L: 48" / W: 29.8" / H: 11.5" |
| Deployed Height | 45.3" |
| Weight | 75 lbs |

BSCT GROUP

One step ahead

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