

# Basic Site Installation Components

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AURA NETWORKS

MICHAEL GAGNE



# Equipment Cabinet (Indoor)

## SR25UB Feature Focus

- A** Adjustable Mounting Rails
- B** Adjustable PDU Mounting Rails with Toolless Mounting Slots
- C** Removable Roof Panel
- D** Lockable, Removable/ Reversible Front Door
- E** Lockable, Removable Split Rear Doors
- F** Lockable, Removable Side Panels
- G** Heavy Duty Casters
- H** Heavy Duty Levelers



Unit Dimensions (hwd / in.) 49 H x 23.63 W x 43L

Unit Weight (lbs.) 195 + AURA equipment

Weight Capacity - Rolling (lbs.) 2250

Weight Capacity - Stationary (lbs.) 3000

Rack Depth Standard

# Antenna(s)

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DB404-B

Dimensions

Length 1524.0 mm |  
60.0 in

Net Weight, without  
mounting kit 6.4 kg |  
14.1 lb



DB408-B

Dimensions

Length 2870.2 mm |  
113.0 in

Net Weight, without  
mounting kit 7.7 kg |  
17.0 lb



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**Dimensions**

5.0" H x 3.2" D (126 H x 81 mm)

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**Weight**

0.6 lbs (0.3 kg)

**GPS-TMG-HR-26NCM**

# COAX, Jumpers and Connectors

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AVA5-50, HELIAX® Andrew Virtual Air™ Coaxial Cable, corrugated copper, 7/8 in, black PE jacket (Halogen free jacketing non-fire-retardant)

AVA-50 COAX is for DB404-B and DB408-B Antenna



N Male for 7/8 in AVA5-50 and AVA5-50FX cable

78EZNM to Shelter/Cabinet



N Female for 7/8 in AVA5-50 and AVA5-50FX cable

78EZNF on Tower



FSJ4-50B, HELIAX® Superflexible Foam Coaxial Cable, corrugated copper, 1/2 in, black PE jacket (Halogen free jacketing non-fire-retardant)

FSJ4-50 COAX is for RF Jumpers to Shelter/Cabinet and to GPS Antenna



Type N Male for 1/2 in FSJ4-50B cable

Connector for Jumpers and GPS



RG58 20' Jumper with SMA and N type connector for GPS between Radio and Surge Arrestor



# Surge Arrestors (Lightning Protection)

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POLYPHASER 10-1000 MHz general coverage bulkhead mnt. protector. 50,000 amps surge. 220uJ throughput energy. Power based on freq. N male on equipment port. Used on the RF Antenna lines between 7/8" Coax and 1/2" Jumper



POLYPHASER GPS+06NFF GPS Lightning Protection - DC Pass Surge Arrestor. N-Type Female, 1.2 GHz to 1.6 GHz. Used on GPS line between RG58 Jumper and 1/2" Coax to GPS antenna

# Radio and Electronics

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The versatile, high performance **Mars Radio Hardware Platform** is capable of operating all Ondas Radio Software Applications including the IEEE 802.16s and 802.16e air interface protocols and operation as a Base Station with a 100W amplifier



Rack Mounted Computer for data storage, operation and maintenance



Router/Switch. May have LTE Modem for Connectivity and Management



Uninterruptable Power Source (UPS) to control voltage quality and power backup to the system



Remote controlled Power Distribution Unit (PDU) to remotely power control devices.



Temperature, Environmental Monitoring