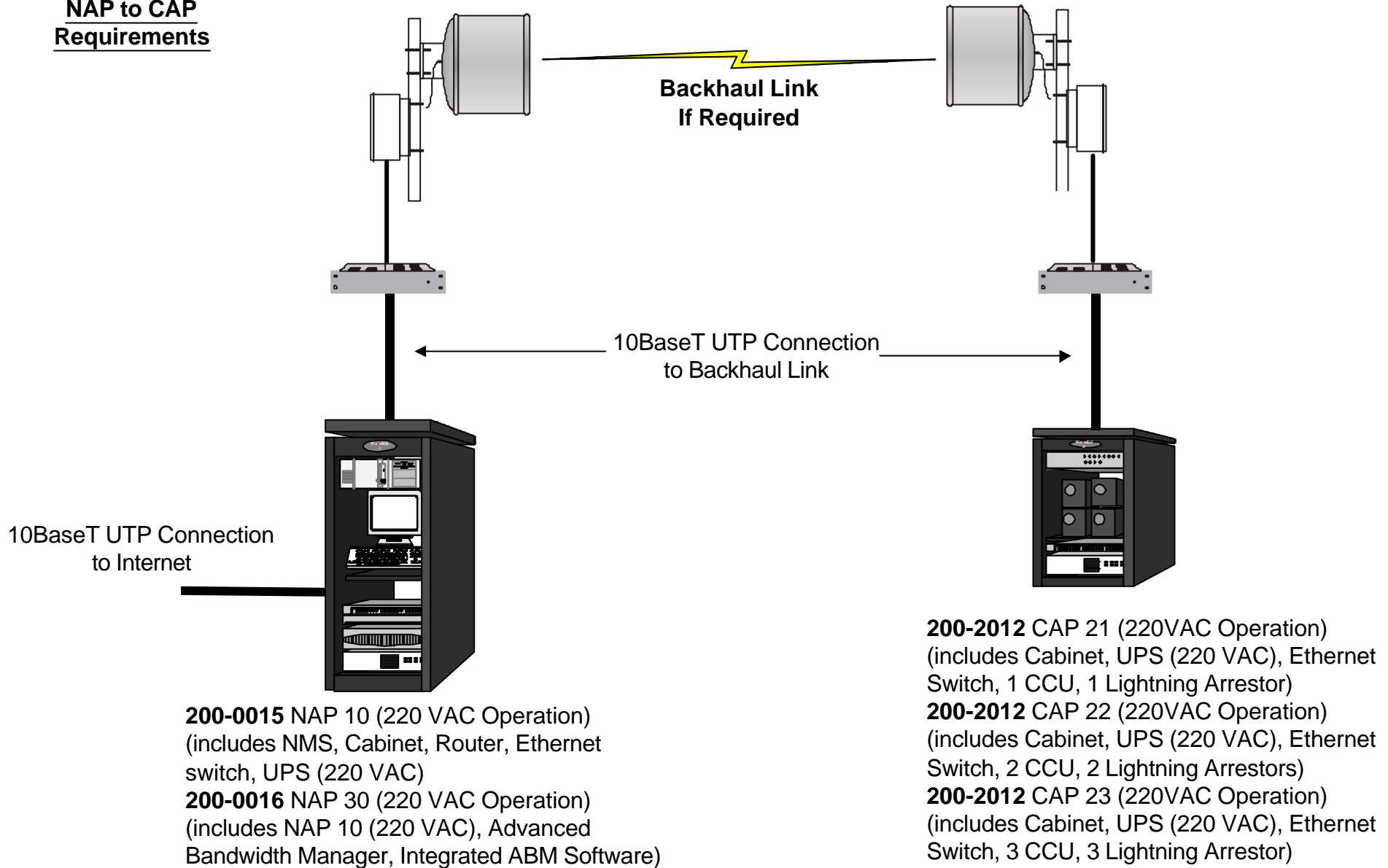


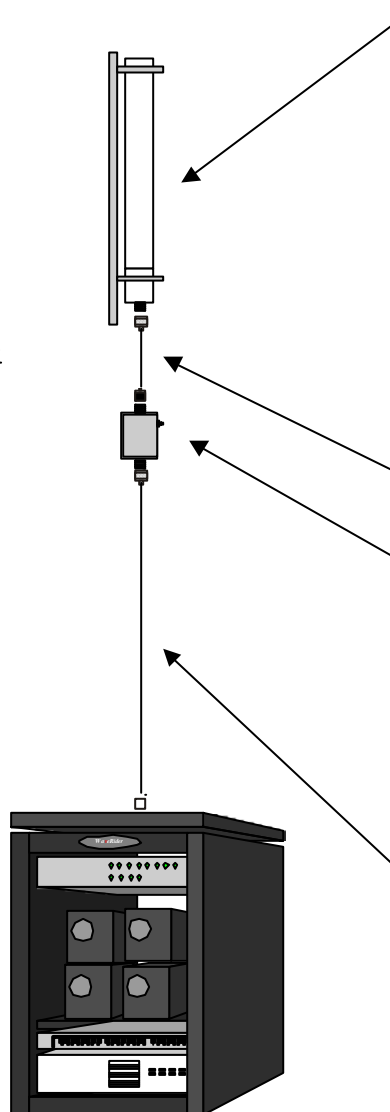
NAP to CAP Requirements



CAP Requirements

Antenna Systems

- 1 x For CAP 21
- 2 x For CAP 22
- 3 x For CAP 23



Antenna

- 305-0002** 45 Degree Fixed Sector (16dBi)
- 305-0000** 120 Degree Fixed Sectorial with Vertical Polarization (14.5dBi)
- 305-0003** 180 Degree Fixed Sector (10dBi)
- 305-0001** Field Adjustable Sector: 60, 90, 120 & 160 Degrees (15, 13, 12 & 10.5dBi)
- 305-0005** 45 Degree High Gain Fixed Sector (18.5dBi)
- 305-0006** 180 Degree High Gain Fixed Sector (12.5dBi)
- 306-0004** Field Adjustable Sector: 60, 90, 120 & 160 Degrees (17.5, 15.5, 14.5 & 13dBi)
- 303-0004** 7dBi Omnidirectional Antenna - Vertical Polarization
- 303-0002** 10dBi Omnidirectional Antenna - Vertical Polarization
- 303-0003** 12dBi Omnidirectional Antenna - Vertical Polarization

430-0014 Standard Jumper: N Male to N Male, 4ft (1.2m) Only required if Amplifier Used.

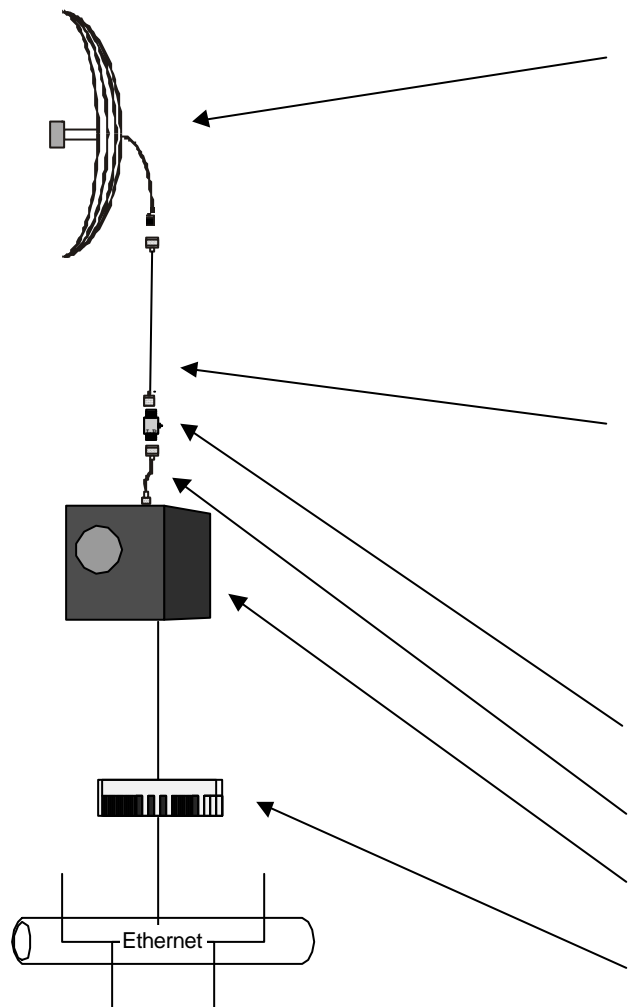
Amplifiers

- 510-0002** Hyperamp 20dB Tx / 10dB Rx gain (max input power 10mW)
- 510-0003** Hyperamp 16dB Tx / 10dB Rx gain (max input power 25mW)
- 510-0004** Hyperamp 13dB Tx / 10dB Rx gain (max input power 50mW)
- 510-0005** Hyperamp 10dB Tx / 10dB Rx gain (max input power 100mW)
- 510-0006** Hyperamp 0dB Tx / 10dB Rx gain (max input power 25mW)
- 510-0007** Hyperamp 0dB Tx / 10dB Rx gain (max input power 100mW)

Cable Assemblies

- 400-0000** 50' (15m) LMR400 Cable Assembly (N Male Connectors)
 - 400-0001** 100' (30m) LMR400 Cable Assembly (N Male Connectors)
 - 400-0002** 150' (45m) LMR400 Cable Assembly (N Male Connectors)
 - 400-0003** 200' (60m) LMR400 Cable Assembly (N Male Connectors)
 - 400-0004** 250' (75m) LMR400 Cable Assembly (N Male Connectors)
- For LMR600 Series Cable replace 400 in part number with 410**

End User Modem Requirements



Antenna

- 302-0000** 24dBi Parabolic Antenna with Vertical downtilt.
- 302-0008** 18dBi Parabolic Antenna
- 301-0002** 11.5dBi Shrouded Yagi
- 302-0002** 19dBi Solid Parabolic Antenna - 18" (45cm) diameter
- 302-0003** 21dBi Solid Parabolic Antenna - 24" (60cm) diameter
- 302-0004** 21dBi Solid Parabolic Antenna with Full Radome- 24" (60cm) diameter
- 302-0005** 24.5dBi Grid Parabolic Antenna - 3' (90cm) diameter
- 302-0006** 27dBi Grid Parabolic Antenna - 4' (1.2m) diameter

Cable Assemblies

- 400-0000** 50' (15m) LMR400 Cable Assembly (N Male Connectors)
 - 400-0001** 100' (30m) LMR400 Cable Assembly (N Male Connectors)
 - 400-0002** 150' (45m) LMR400 Cable Assembly (N Male Connectors)
 - 400-0003** 200' (60m) LMR400 Cable Assembly (N Male Connectors)
 - 400-0004** 250' (75m) LMR400 Cable Assembly (N Male Connectors)
- For LMR600 Series Cable replace 400 in part number with 410**

520-0002 2.4GHz Lightning Arrestor with two N Female Connectors

430-0008 NCL11xx Jumper: Reverse SMA to N Male, 3' (90cm)

200-2040 End User Modem

200-6010 Orbiter 500 Router to support secondary IP, NAT, etc at EUM site
(Optional)