

**Flyaway system average weights and cargo dimensions, 2009 August 15**

Description	Weight in kg	Exterior X cm	Exterior Y cm	Exterior Z cm	Volume Cubic Meters
<b>Minimal Configuration, Baseline</b>					
<b>Flyaway antenna and transit cases</b>					
TracStar 1200 P4K 1.2 meter 4-section Ku/Ka-band motorized VSAT antenna					
Transit Case 1: Pedestal and motor drive	78.00	109.00	71.00	53.00	0.410
Transit Case 2: Reflector panels and Feed, feed support arms, 4W BUC	47.00	109.00	71.00	53.00	0.410
Assumes 4W Ku-band BUC configuration, with 8W or 16W BUC add 7 kg					
<b>Subtotal, antenna</b>	<b>125.00</b>				
<b>Racked Equipment in one rack transit case</b>					
Transit Case 3: ECS Composites model 8508, 8U height x 24 inch deep	24.22	57.07	45.94	87.63	0.230
TracStar 1200 P4K rack unit (1U controller GPS receiver+motor control for antenna)	2.04				
TracStar 1200 P4K power supply	2.04				
TracStar 1200 P4K display unit	0.22				
Cisco 2811 router with 16-port EtherSwitch module	6.40				
iDirect Infinity or Evolution modem, or SCPC modem, 2U rackmount config.	8.00				
<b>Subtotal, equipment rack</b>	<b>42.92</b>				
<b>Power Equipment in one rack transit case</b>					
Transit Case 4: ECS Composites model 8504, 4U height x 24 inch deep	17.50	57.07	28.16	87.63	0.141
Acumentrics UPS 2500Ri series, 2500VA(2000W) UPS and line conditioner	61.23				
Electrical cables with Cannon mil-spec connectors, AC power from UPS to	4.00				
racked equipment case, 6 meters					
Electrical cable for AC power input to Acumentrics UPS, from generator source	10.00				
Length and exact weight to be determined by location requirements					
<b>Subtotal, power rack</b>	<b>92.73</b>				
<b>Cabling and accessories</b>					
Transit Case 5: Pelican 1620, contains cable and miscellaneous installation supplies	9.62	62.60	49.20	35.00	0.108
25 meters RG6 quad shield 75 ohm cable with terminated F-male ends (Rx)	2.95				
25 meters LMR400 shielded 50 ohm cable with terminated N-male ends (Tx)	3.25				
25 meters servo-motor control and electrical power cable for antenna motorization	3.25				
Cable reel for Rx and Tx cables	3.80				
<b>Subtotal, cabling and accessories</b>	<b>22.87</b>				
<b>Total in kilograms</b>	<b>283.52</b>				
<b>Total in pounds</b>	<b>624.88</b>				
<b>Total volume in cubic meters</b>	<b>1.299</b>				
<b>Total volume in cubic feet</b>	<b>45.86</b>				

Description	Weight in kg	Exterior X cm	Exterior Y cm	Exterior Z cm	Volume Cubic Meters
<b>Typical Configuration, Standard Capability</b>					
<b>Flyaway antenna and transit cases</b>					
TracStar 1200 P4K 1.2 meter 4-section Ku/Ka-band motorized VSAT antenna					
Transit Case 1: Pedestal and motor drive	78.00	109.00	71.00	53.00	0.410
Transit Case 2: Reflector panels and Feed, feed support arms, 4W BUC	47.00	109.00	71.00	53.00	0.410
Assumes 4W Ku-band BUC configuration, with 8W or 16W BUC add 7 kg					
<b>Subtotal, antenna</b>	<b>125.00</b>				
<b>Racked Equipment in one rack transit case</b>					
Transit Case 3: ECS Composites model 8508, 8U height x 24 inch deep	24.22	57.07	45.94	87.63	0.23
TracStar 1200 P4K rack unit (1U controller GPS receiver+motor control for antenna)	2.04				
TracStar 1200 P4K power supply	2.04				
TracStar 1200 P4K display unit	0.22				
Cisco 2821 router with AIM VPN	11.40				
Cisco 3750 series 48-port switch, various types of capability (same weight)	6.40				
1U x86 type server, dual-socket / quad-core, various RAM and HDD configurations	14.96				
1U Keyboard + Mouse + 15 inch flat panel display pull out drawer, command console	14.00				
Wireless access point and antenna, 50 meter range 802.11n MIMO type	1.15				
iDirect Infinity or Evolution modem, or SCPC modem, 2U rackmount config.	8.00				
<b>Subtotal, equipment rack</b>	<b>84.43</b>				
<b>Power Equipment in one rack transit case</b>					
Transit Case 4: ECS Composites model 8504, 4U height x 24 inch deep	17.50	57.07	28.16	87.63	0.14
Acumentrics UPS 2500Ri series, 2500VA(2000W) UPS and line conditioner	61.23				
Electrical cables with Cannon mil-spec connectors, AC power from UPS to racked equipment case, 6 meters	4.00				
Electrical cable for AC power input to Acumentrics UPS, from generator source	10.00				
Length and exact weight to be determined by location requirements					
<b>Subtotal, power rack</b>	<b>92.73</b>				
<b>Cabling and accessories</b>					
Transit Case 5: Pelican 1620, contains cable and miscellaneous installation supplies	9.62	62.60	49.20	35.00	0.11
25 meters RG6 quad shield 75 ohm cable with terminated F-male ends (Rx)	2.95				
25 meters LMR400 shielded 50 ohm cable with terminated N-male ends (Tx)	3.25				
25 meters servo-motor control and electrical power cable for antenna motorization	3.25				
Spectrum analyzer, portable, L-band 950 MHz to 1600 MHz range with LNB power	3.65				
Cable reel for Rx and Tx cables	3.80				
<b>Subtotal, cabling and accessories</b>	<b>26.52</b>				
<b>Laptop Computer Equipment</b>					
Transit Case 6: Pelican 1510 case for laptops and satellite phone	6.17	55.90	35.10	22.90	0.04
Laptop #1, typical size 15" with AC power adapter	3.62				
Laptop #2, typical size 15" with AC power adapter	3.62				
Laptop #3, typical size 15" with AC power adapter	3.62				
Iridium 9555 satellite phone (handheld) with one battery	0.26				
Iridium 9555 satellite phone charger	0.20				
Misc cat6a 500MHz Ethernet cables and AC electrical cables for laptops + racks	4.00				
<b>Subtotal, laptops and satellite phone</b>	<b>21.49</b>				
<b>Total in kilograms</b>	<b>350.17</b>				
<b>Total in pounds</b>	<b>771.77</b>				
<b>Total volume in cubic meters</b>	<b>1.34</b>				
<b>Total volume in cubic feet</b>	<b>47.45</b>				