Cambium Networks™

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Sub-6 GHz Antenna Guide

Parabolic and Sector Antenna Selection Guide

PTP Parabolic



N050067D017A

5.25-5.85 GHz, 2 ft (0.6m), Single-Pol

Dish Size: 0.6 m (2 ft)

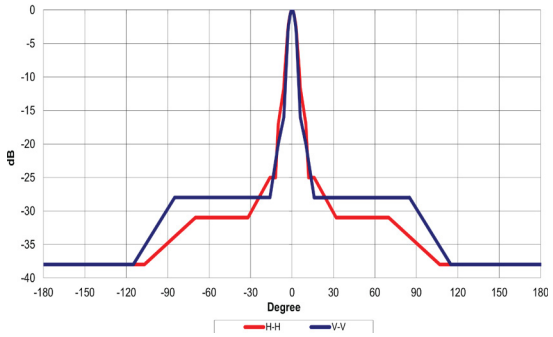
Frequency: 5.25–5.85 GHz

Gain: 29.5 dBi

Polarity: Single

Connector: N-Type Female

Mounting Brackets: Included





RDH4513B

5.25-5.85 GHz, 3 ft (0.9m), Single-Pol

Dish Size: 0.9 m (3 ft)

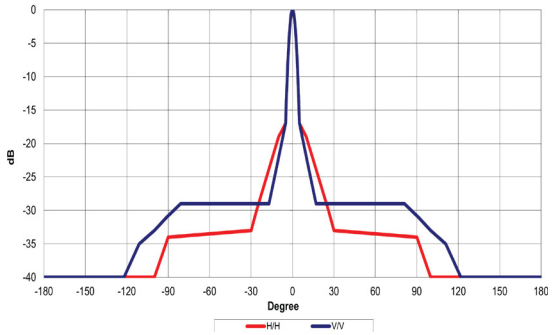
Frequency: 5.25–5.85 GHz

Gain: 33 dBi

Polarity: Single

Connector: N-Type Female

Mounting Brackets: Included





N050067D018A

5.25-5.85 GHz, 4 ft (1.2m), Single-Pol

Dish Size: 1.2 m (4 ft)

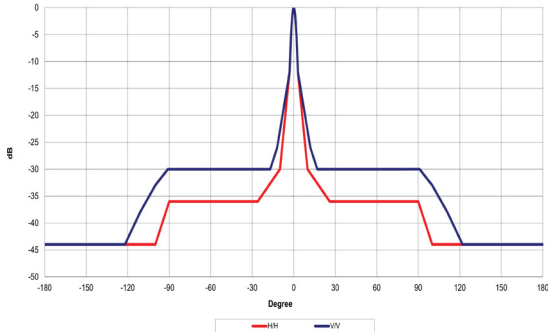
Frequency: 5.25–5.85 GHz

Gain: 35.4 dBi

Polarity: Single

Connector: N-Type Female

Mounting Brackets: Included





N050067D019A

5.25-5.85 GHz, 6 ft (1.8m), Single-Pol

Dish Size: 1.8 m (6 ft)

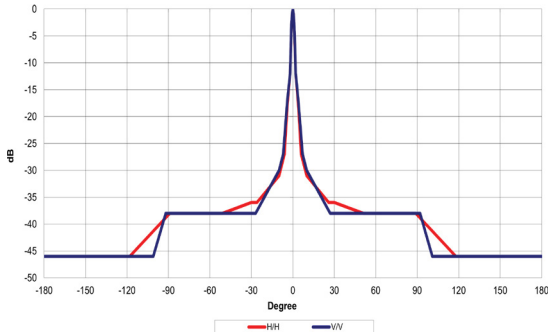
Frequency: 5.25-5.85 GHz

Gain: 38.4 dBi

Polarity: Single

Connector: N-Type Female

Mounting Brackets: Included



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Parabolic and Sector Antenna Selection Guide

PTP Parabolic



RDH4503C

Standard Performance 4.9-6 GHz, 2 ft (0.6m), Dual-Pol antenna with 2 x N-type Connector

Dish Size: 0.6 m (2 ft)

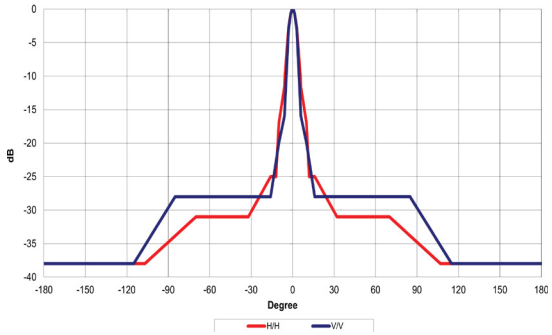
Frequency: 4.9-6 GHz

Gain: 29.8 dBi

Polarity: Dual

Connector: 2 x N-type Connector

Mounting Brackets: Included





RDH4504C

Standard Performance 4.9-6 GHz, 3 ft (0.9m), Dual-Pol antenna with 2 x N-type Connector

Dish Size: 0.9 m (3ft)

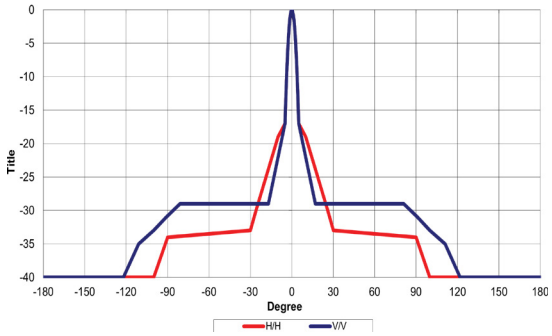
Frequency: 4.9-6 GHz

Gain: 33 dBi

Polarity: Dual

Connector: 2 x N-type Connector

Mounting Brackets: Included





RDH4505C

Standard Performance 4.9-6 GHz, 4 ft (1.2m), Dual-Pol antenna with 2 x N-type Connector

Dish Size: 1.2 m (4 ft)

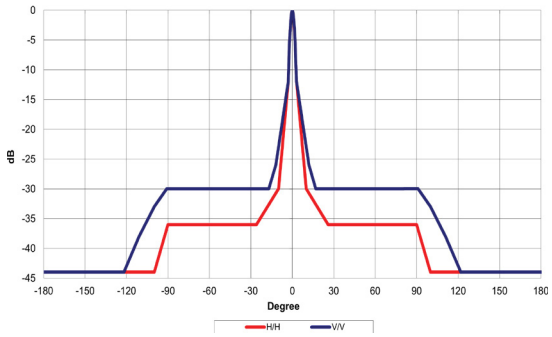
Frequency: 4.9-6 GHz

Gain: 35.4 dBi

Polarity: Dual

Connector: 2 x N-type Connector

Mounting Brackets: Included





RDH4506C

Standard Performance 4.9-6 GHz, 6 ft (1.8m), Dual-Pol antenna with 2 x N-type Connector

Dish Size: 1.8 m (6 ft)

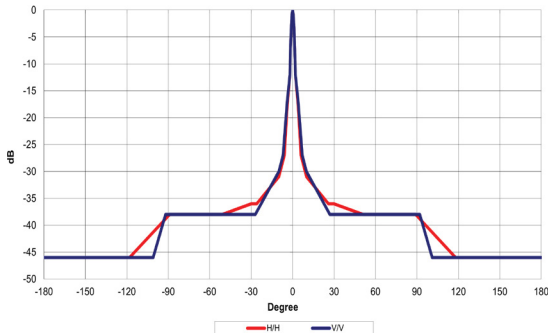
Frequency: 4.9-6 GHz

Gain: 38.4 dBi

Polarity: Dual

Connector: 2 x N-type Connector

Mounting Brackets: Included



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Parabolic and Sector Antenna Selection Guide

PTP Parabolic



RDH4508C

High Performance 4.9-6 GHz, 2 ft (0.6m), Dual-Pol antenna with 2 x N-type Connector

Dish Size: 0.6 m (2 ft)

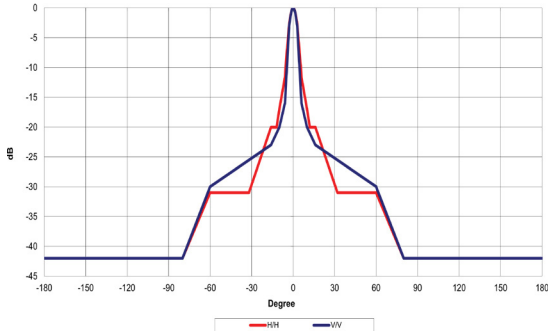
Frequency: 4.9-6 GHz

Gain: 29.3 dBi

Polarity: Dual

Connector: 2 x N-type Connector

Mounting Brackets: Included





RDH4509C

High Performance 4.9-6 GHz, 3 ft (0.9m), Dual-Pol antenna with 2 x N-type Connector

Dish Size: 0.9 m (3ft)

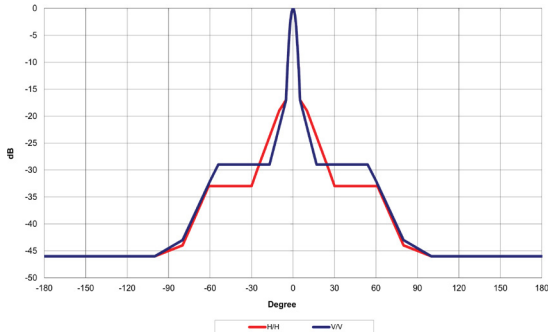
Frequency: 4.9-6 GHz

Gain: 32.8 dBi

Polarity: Dual

Connector: 2 x N-type Connector

Mounting Brackets: Included





RDH4510C

High Performance 4.9-6 GHz, 4 ft (1.2m), Dual-Pol antenna with 2 x N-type Connector

Dish Size: 1.2 m (4 ft)

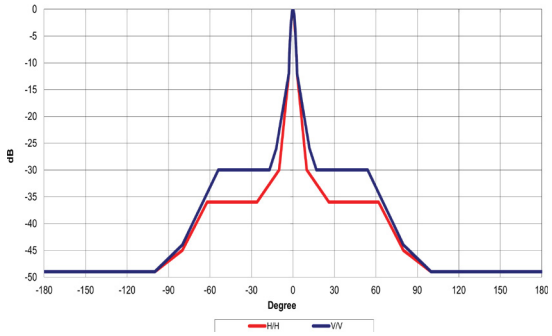
Frequency: 4.9-6 GHz

Gain: 34.7 dBi

Polarity: Dual

Connector: 2 x N-type Connector

Mounting Brackets: Included





RDH4511C

High Performance 4.9-6 GHz, 6 ft (1.8m), Dual-Pol antenna with 2 x N-type Connector

Dish Size: 1.8 m (6 ft)

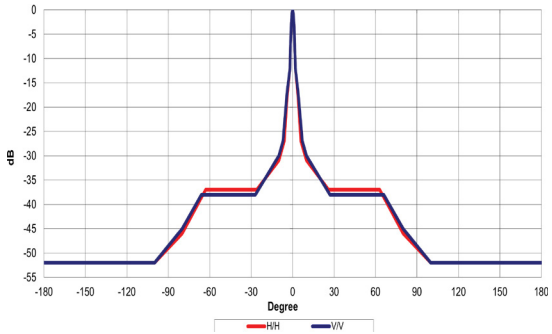
Frequency: 4.9-6 GHz

Gain: 38.2 dBi

Polarity: Dual

Connector: 2 x N-type Connector

Mounting Brackets: Included



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Parabolic and Sector Antenna Selection Guide

PTP Parabolic

	N050067D017A	RDH4503C	RDH4508C
Antenna Type	Parabolic	Parabolic	Parabolic
Dish size	0.6 m (2 ft)	0.6 m (2 ft)	0.6 m (2 ft)
Gain	29.5 dBi	29.8 dBi	29.3 dBi
Operating Frequency	5.25–5.85 GHz	4.9-6 GHz	4.9-6 GHz
3 dB Beamwidth	6.1°	6.2°	6.1°
Polarization	Single	Dual	Dual
F/B	38 dB	38 dB	44 dB
VSWR	1.5:1	1.5:1	1.5:1

	RDH4513B	RDH4504C	RDH4509C
Antenna Type	Parabolic	Parabolic	Parabolic
Dish size	0.9 m (3 ft)	0.9 m (3 ft)	0.9 m (3 ft)
Gain	33 dBi	33 dBi	32.8 dBi
Operating Frequency	5.25–5.85 GHz	4.9-6 GHz	4.9-6 GHz
3 dB Beamwidth	4.2°	4.2°	4.2°
Polarization	Single	Dual	Dual
F/B	40 dB	40 dB	46 dB
VSWR	1.5:1	1.5:1	1.5:1

	N050067D018A	RDH4505C	RDH4510C
Antenna Type	Parabolic	Parabolic	Parabolic
Dish size	1.2 m (4 ft)	1.2 m (4 ft)	1.2 m (4 ft)
Gain	35.4 dBi	35.4 dBi	34.7 dBi
Operating Frequency	5.25–5.85 GHz	4.9-6 GHz	4.9-6 GHz
3 dB Beamwidth	3°	3.1°	3°
Polarization	Single	Dual	Dual
F/B	44 dB	44 dB	49 dB
VSWR	1.5:1	1.5:1	1.5:1

	N050067D019A	RDH4506C	RDH4511C
Antenna Type	Parabolic	Parabolic	Parabolic
Dish size	1.8 m (6 ft)	1.8 m (6 ft)	1.8 m (6 ft)
Gain	38.4 dBi	38.4 dBi	38.2 dBi
Operating Frequency	5.25-5.85 GHz	4.9-6 GHz	4.9-6 GHz
3 dB Beamwidth	2°	2.1°	2°
Polarization	Single	Dual	Dual
F/B	46 dB	46 dB	52 dB
VSWR	1.5:1	1.5:1	1.5:1

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Parabolic and Sector Antenna Selection Guide

PMP Sector



85009324001

5.4-6.0 GHz, Antenna for 90 Degree Sector

Dimensions: 57h x 14.6w x 6.4d

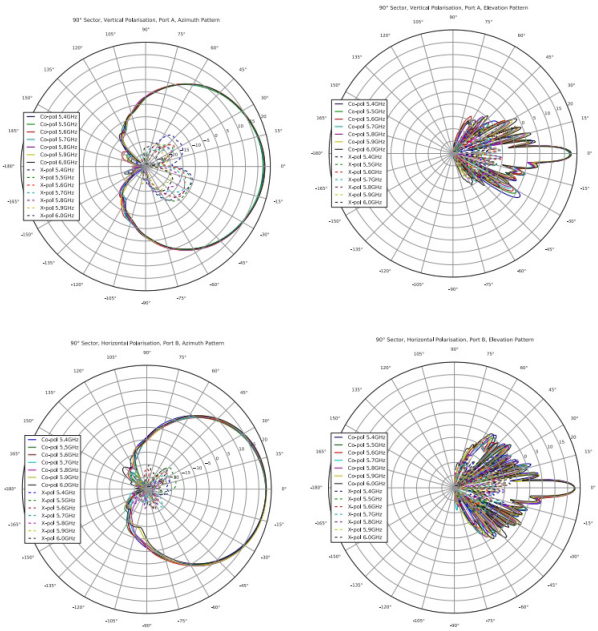
Frequency: 5.4-6.0 GHz

Gain: 17dBi

Polarity: Dual

Connector: N-Type Female

Mounting Brackets: Included





85009325001

5.4-6.0 GHz, Antenna for 60 Degree Sector

Dimensions: 46.8hx14.6wx6.4d

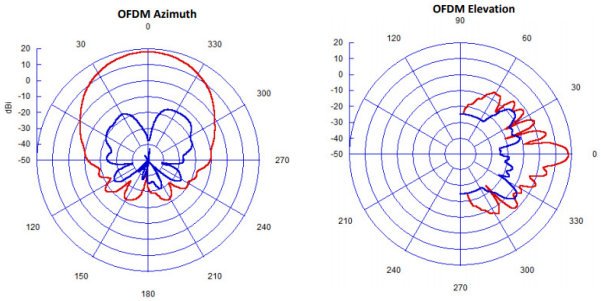
Frequency: 5400-6000 MHz

Gain: 17dBi

Polarity: Dual

Connector: N-Type Female

Mounting Brackets: Included



	85009324001	85009325001
Antenna Type	Sector	Sector
Dimensions	57h x 14.6w x 6.4d	46.8hx14.6wx6.4d
Gain	17dBi	17dBi
Operating Frequency	5.4-6.0 GHz	5.4-6.0 GHz
3 dB Beamwidth	Azimuth 65°, -Elevation 6°	Azimuth 45°, Elevation 8°
Polarization	Dual	Dual
F/B	V-pol>32 dB, H-pol>35 dB	35 dB
VSWR	1.5:1	1.5:1

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Parabolic and Sector Antenna Selection Guide

PMP Sector



C050900D025A

ePMP Dual Horn MU-MIMO Antenna, 5 GHz, 60 degree

Dimensions: 30.5h x 21.5w x 23.1d

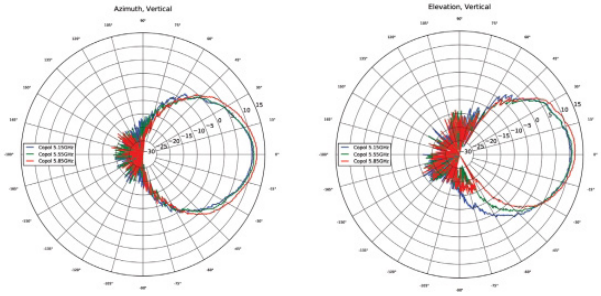
Frequency: 5100 - 6100 MHz

Gain: 12 dBi

Polarity: Dual

Connector: 4x RP SMA

Mounting Brackets: Included





C050910D301A

ePMP 4x4 MU-MIMO Sector Antenna (for ePMP3000AP)

Dimensions: 59.4h x 15.7w x 11d

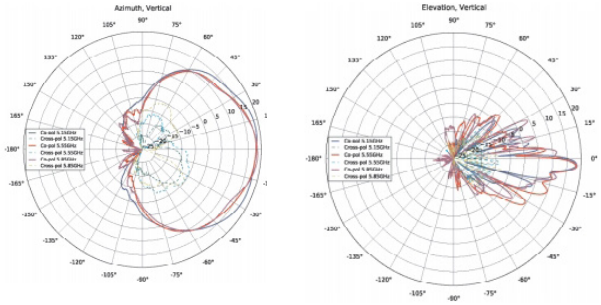
Frequency: 4.9 to 5.9 GHz

Gain: 17dBi

Polarity: Dual

Connector: 4x RP SMA

Mounting Brackets: Included





C050900D021B

Antenna, 5 GHz, 90/120 with Mounting Kit

Dimensions: 59.4h x 15.7w x 11d

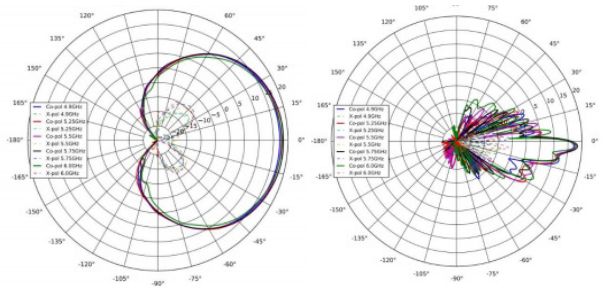
Frequency: 5 GHz

Gain: 18 dBi

Polarity: Dual

Connector: 2x RP SMA

Mounting Brackets: Included



	C050900D025A	C050910D301A	C050900D021B
Antenna Type	Sector	Sector	Sector
Dimensions	30.5h x 21.5w x 23.1d	59.4h x 15.7w x 11d	59.4h x 15.7w x 11d
Gain	12 dBi	17dBi	18 dBi
Operating Frequency	5100 - 6100 MHz	4.9 to 5.9 GHz	5 GHz
3 dB Beamwidth	Azimuth 60°	Azimuth 70°, Elevation 6°	Azimuth 90°, Elevation 6°
Polarization	Dual	Dual	Dual
F/B	28 dB	30 dB	35 dB
VSWR	2.0:1	2.0:1	2.0:1

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Parabolic and Sector Antenna Selection Guide

PMP Sector



C050000D004

4.9 to 5.9 GHz, Dual-Pol 90 Degree Sector Antenna with Mounting Bracket

Dimensions: 59.4h x 15.7w x 11d

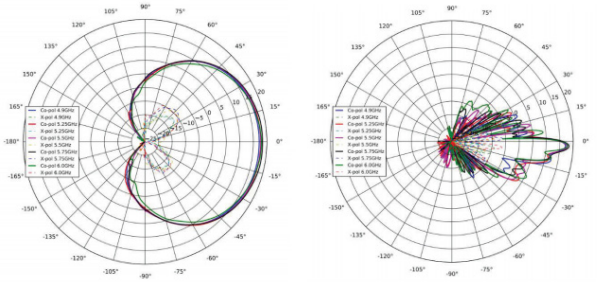
Frequency: 4.9 to 5.9 GHz

Gain: 17dBi

Polarity: Dual

Connector: N-Type Female

Mounting Brackets: Included





C030045D901A

3.3-3.8 GHz Dual Slant Antenna for 90 Degree Sector

Dimensions: 71.5h x12.3w x 6.8d

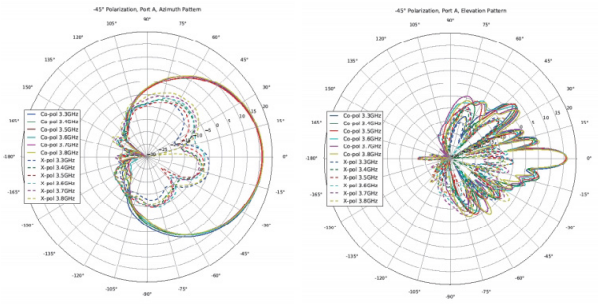
Frequency: 3.3-3.8 GHz

Gain: 17dBi

Polarity: Dual

Connector: N-Type Female

Mounting Brackets: Included





C024045D601A

2.4 GHz Antenna for 60 Degree Sector

Dimensions: 112.2hx24.5wx11.7d

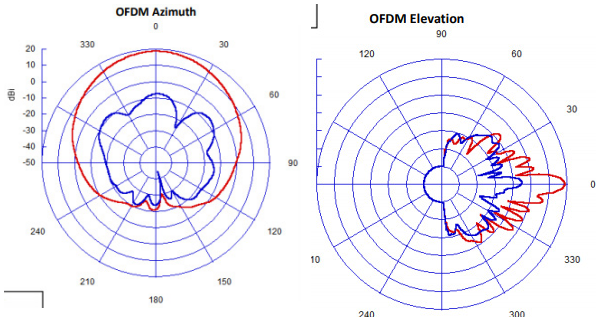
Frequency: 2400-2480 MHz

Gain: 18dBi

Polarity: Dual

Connector: N-Type Female

Mounting Brackets: Included



	C050000D004	C030045D901A	C024045D601A
Antenna Type	Sector	Sector	Sector
Dimensions	59.4h x 15.7w x 11d	71.5h x 12.3w x 6.8d	112.2hx24.5wx11.7d
Gain	17dBi	17dBi	18dBi
Operating Frequency	4.9 to 5.9 GHz	3.3-3.8 GHz	2.4-2.48 GHz
3 dB Beamwidth	Azimuth 90°, Elevation 6°	Azimuth 65°, -Elevation 7°	Azimuth 52°, Elevation 6°
Polarization	Dual	Dual	Dual
F/B	35 dB	>35 dB, 180 ± 30°	>32 dB, 180 ± 30°
VSWR	2.0:1	1.5:1	1.5:1

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Parabolic and Sector Antenna Selection Guide

PMP Sector



N025000D001A

MTI 65 degree Sector Antenna, 17 dBi

Dimensions: 113.4h x 21w x 8.5d

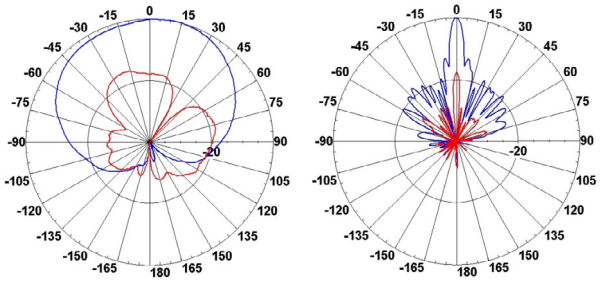
Frequency: 2.3-2.7 GHz

Gain: 17dBi

Polarity: Dual

Connector: N-Type Female

Mounting Brackets: Included





C024900D004A

ePMP 1000: 2.4 GHz Sector 90/120 Antenna w/Mount

Dimensions: 82.7h x 16.1w x 5.9d

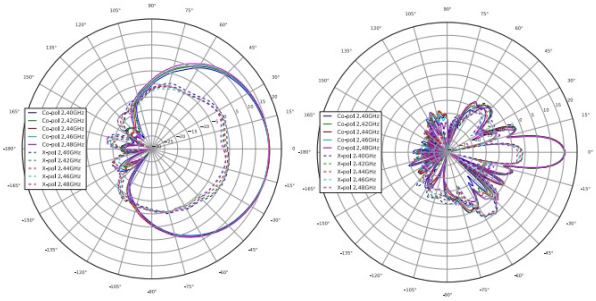
Frequency: 2.4 GHz

Gain: 15 dBi

Polarity: Dual

Connector: N-Type Female

Mounting Brackets: Included





N009045D001A

900 MHz 60 degree Sector Antenna (Dual Slant)

Dimensions: 88L x 28.8w x 13.2h

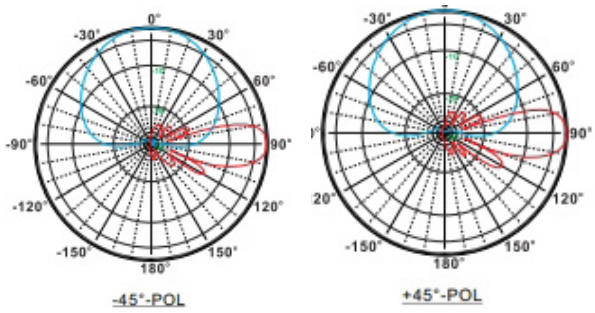
Frequency: 900 MHz

Gain: 13 dBi

Polarity: Dual

Connector: 2-Type N Female

Mounting Brackets: Included



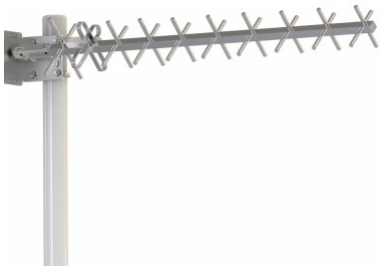
	N025000D001A	C024900D004A	N009045D001A
Antenna Type	Sector	Sector	Sector
Dimensions	113.4h x 21w x 8.5d	82.7h x 16.1w x 5.9d	88L x 28.8w x 13.2h
Gain	17 dBi	15 dBi	13 dBi
Operating Frequency	2.3-2.7 GHz	2.4 GHz	900 MHz
3 dB Beamwidth	Azimuth 70°±5°	Azimuth 90°, Elevation 11°	Azimuth 65°, Elevation 23°
Polarization	Dual	Dual	Dual
F/B	30 dB	30 dB	30dB
VSWR	2.0:1	1.7:1	1.7:1

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Parabolic and Sector Antenna Selection Guide

PMP Sector



N009045D003A

900 MHz 12 dBi gain directional antenna (Dual Slant)

Dimensions: 105.6L

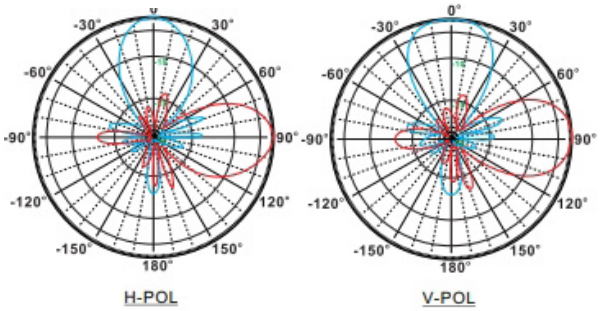
Frequency: 900 MHz

Gain: 12 dBi

Polarity: Dual

Connector: 2x RP SMA Male

Mounting Brackets: Included



	N009045D003A
Antenna Type	Sector
Dimensions	105.6L
Gain	12 dBi
Operating Frequency	900 MHz
3 dB Beamwidth	Azimuth 45°
Polarization	Dual
F/B	50 dB
VSWR	1.7:1

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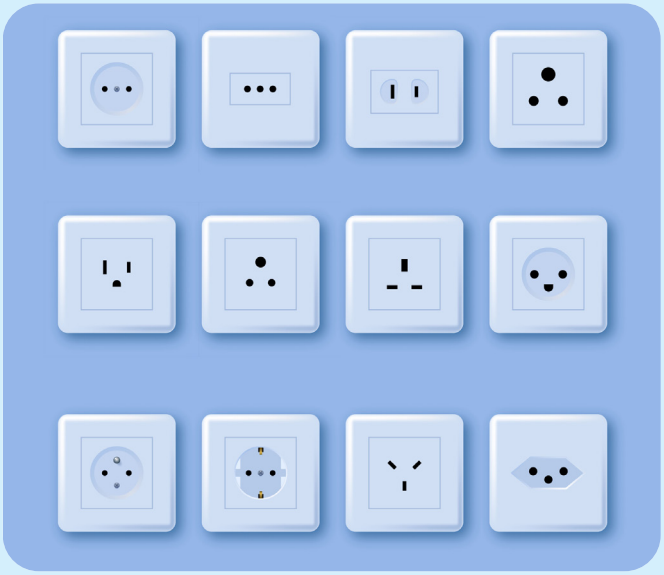
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Power Accessories

PoE Injectors, AC Line Cords and External Power Supplies

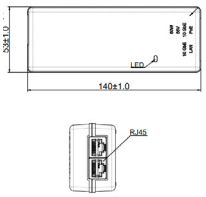
QUICK LOOK:

Power supply accessories for various Cambium Networks products along with product power requirements and power supply compatibility matrix.



PoE Injectors

C000000L141A
56 V, 30 W, 10 GbE



C6 AC INLET

C000065L002D
58V AC + DC, 100 W, GbE



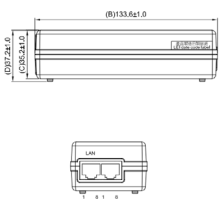
IEC60320 C8

N000045L056A
56 VDC, 30 W, GbE



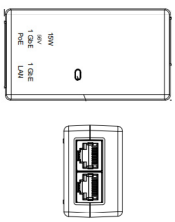
DC IN SCREW TERMINAL

N000065L001C
56 V, 60 W, GbE



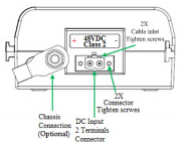
C8 AC INLET

N000900L017B
56 V, 15 W, GbE



C6 AC INLET

N000000L036A
48 VDC, 60 W, GbE



DC IN SCREW TERMINAL

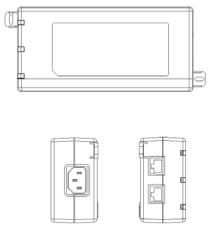
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Power Accessories

PoE Injectors

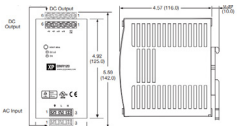
N000082L164A
56 V, 90 W, GbE





IEC320 C14

N000000L129A
48 V, 120 W



SCREW TERMINAL

N000000L179B
54 V, 100 W



DIRECT WIRE

N000000L054B
54 V, 240 W



DIRECT WIRE

N000900L017A
56 VDC, 15 W, GbE



C6 AC INLET

N000065L001C
56 VDC, 30.5 W, GbE



C8 AC INLET

N000900L001D
30 VDC, 15 W, GbE



C6 AC INLET

N000000L034B
56 VDC, 30.5 W, GbE



C6 AC INLET

N000000L142A
56 VDC, 60 W, 5 GbE



C6 AC INLET

C000065L002C
58 VDC, 100 W, GbE



C8 AC INLET

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Power Accessories



C6 AC INLET

AX-12VDCXXA-WW

12 VDC, 3 A POWER SUPPLY
2.1 mm x 5.5 mm x 11 mm CP
DC CONNECTOR

Use with:
R190V/R190W/R200/R201,
Anywhere an AP has a 12VDC,
2.1mm DC CONNECTOR WITH
POWER REQUIREMENT LESS
THAN 30.5 WATTS (36W * 85%)

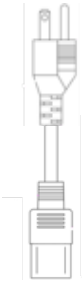


AC Mains Line Cords - C13 AC Connector

N000900L040A
US TYPE B
1.2 m LENGTH



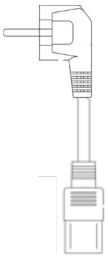
C14 AC INLET



N000900L041A
US TYPE F
1.2 m LENGTH



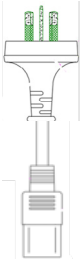
C14 AC INLET



N000900L042A
AU/NZ TYPE 1
1.2 m LENGTH



C14 AC INLET



N000900L043B
IN TYPE D
1.2 m LENGTH



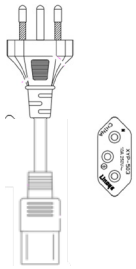
C14 AC INLET



N000900L044A
BR TYPE N
1.2 m LENGTH



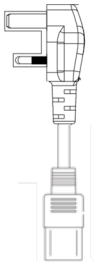
C14 AC INLET



N000900L045A
UK TYPE G
1.2 m LENGTH



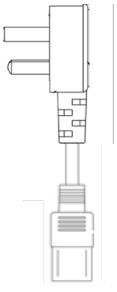
C14 AC INLET



N000900L046A
CN TYPE 1
1.2 m LENGTH



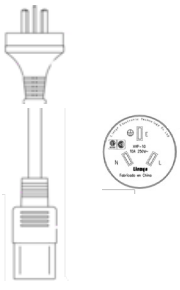
C14 AC INLET



N000900L047A
AR TYPE 1
1.2 m LENGTH



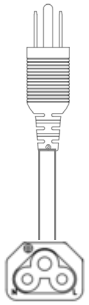
C14 AC INLET



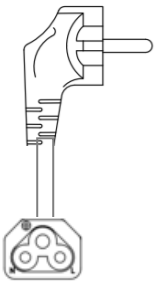
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Power Accessories

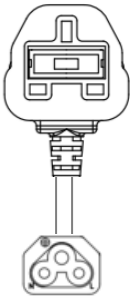
AC Mains Line Cords - C5 AC Connector



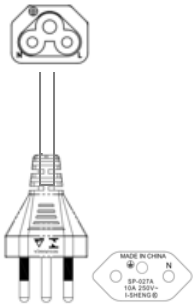
N000900L007A
US TYPE B
0.30 m LENGTH



N000900L008A
EU TYPE F
0.40 m LENGTH



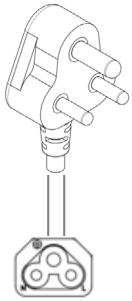
N000900L009A
UK TYPE G
0.40 m LENGTH



N000900L010A
BR TYPE N
0.40 m LENGTH



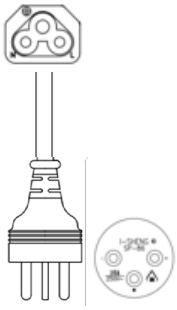
N000900L011A
AU/NZ TYPE I
0.72 m LENGTH



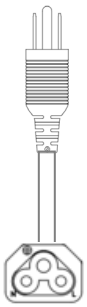
N000900L012A
IN TYPE D
0.72 m LENGTH



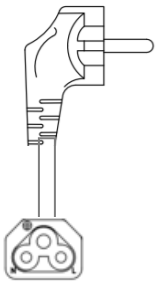
N000900L013A
AR TYPE I
0.72 m LENGTH



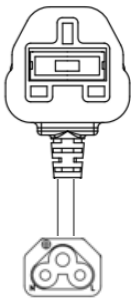
N000900L015A
CN TYPE H
0.40 m LENGTH



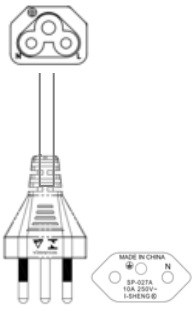
N000900L031A
US TYPE B
0.72 m LENGTH



N000900L032A
EU TYPE F
0.72 m LENGTH



N000900L033A
UK TYPE G
0.72 m LENGTH



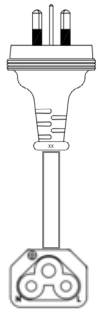
N000900L034A
BR TYPE N
0.72 m LENGTH

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Power Accessories

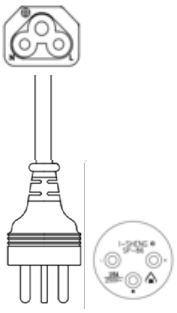
AC Mains Line Cords - C5 AC Connector



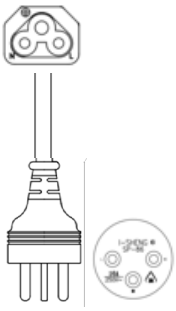
N000900L035A
AU/NZ TYPE I
0.40 m LENGTH



N000900L036A
AR TYPE I
0.40 m LENGTH



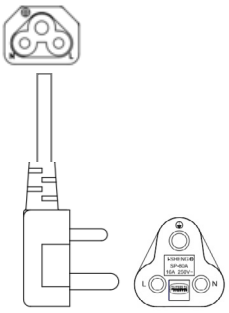
N000900L037A
IL TYPE H
0.70 m LENGTH



N000900L038A
IL TYPE H
0.40 m LENGTH

N000900L048A
ZA TYPE M
0.72 m LENGTH

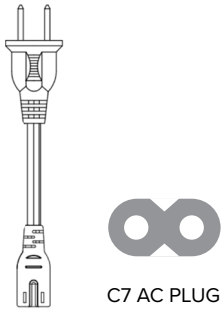
Used with:
- Force 300
- ePMP 3000
- R190V
- R190W



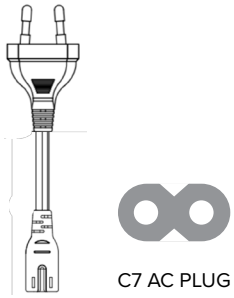
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Power Accessories

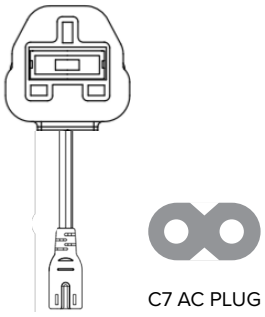
AC Mains Line Cords - C7 AC Connector



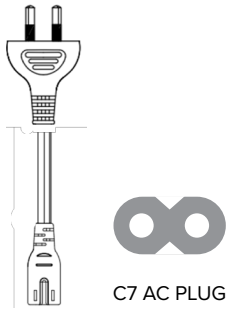
N000900L050A
US TYPE A - 2 PRONG
0.67 m LENGTH



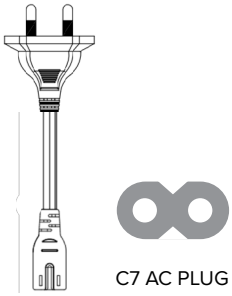
N000900L051A
EU TYPE C
0.67 m LENGTH



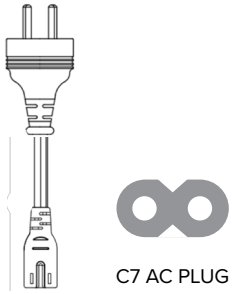
N000900L052A
UK TYPE G
0.67 m LENGTH



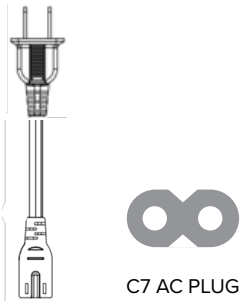
N000900L053A
AU/NZ TYPE I - 2 PRONG
0.67 m LENGTH



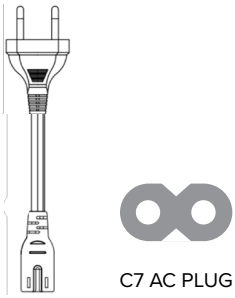
N000900L054A
IN TYPE D - 2 PRONG
0.67 m LENGTH



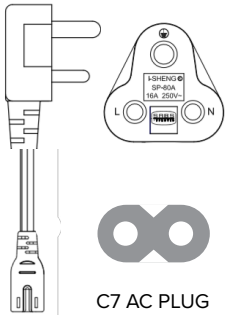
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AR TYPE 1 - 2 PRONG
0.67 m LENGTH



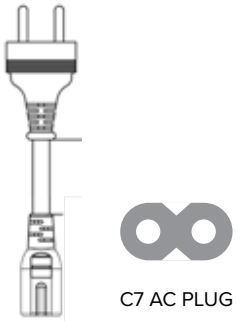
N000900L056A
CN TYPE I - 2 PRONG
0.67 m LENGTH



N000900L057A
BR TYPE N - 2 PRONG
0.67 m LENGTH



N000900L058A
ZA TYPE M
0.67 m LENGTH



N000900L091A
EU TYPE F
0.67 m LENGTH

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Power Accessories

Specifications

PoE INJECTORS	Description	Type of Input connectors	Type of output connectors	Type of Input power	Watt	Volts	op efficiency	Installation	Temp	IP Rating	Ethernet speed
C000000L141A	PoE, 60W, 56V, 10GbE DC Injector, Indoor, Energy Level 6 Supply	3-wire AC inlet I C6	RJ45	AC	60W	56V	Level 6	Indoor	0°C to 50°C	X	10G
C000065L002D	AC+DC Enhanced Power Injector 58V	DC in screw terminals /2-wire AC inlet (IEC60320 C8)	RJ45 / Dcout screw terminals	AC + DC	100W	58V	Level 6	ID/ OD	(-40°C to 50°C)	IP20	1G
N000000L034B	PoE, 30.5W, 56V, GbE DC Injector, Indoor, Energy Level 6 Supply, accepts C5 connector	3-wire AC inlet I C6	RJ45	AC	30W	56V	Level 6	Indoor	0°C to 50°C	X	1G
N000000L142A	PoE, 60W, 56V, 5GbE DC Injector, Indoor, Energy Level 6 Supply, accepts C5 connector	3-wire AC inlet I C6	RJ45	AC	60W	56V	Level 6	Indoor	0°C to 50°C	X	5G
N000045L056A	PoE Gigabit DC Injector, 24V DC Input, 56V/625mA 802.3at Output	DC in Screw terminal plugs	RJ45	DC	30W	56V	82%	Indoor	(-40°C to 70°C)	X	1G
N000065L001C	AC power Injector 56V, 60W	2-wire AC inlet; IEC60320 C8	RJ45	AC	60W	56V	Level 6	Indoor	0°C to 50°C	X	1G
N000900L001D	PoE Gigabit DC Injector, 15W Output at 30V, Energy Level 6 Supply	3-wire AC inlet I C6	RJ45	AC	15w	30V	Level 6	Indoor	0°C to 40°C	X	1G
N000900L017A	PoE, 15.4W, 56V, GbE DC Injector, Indoor, Energy Level 6 Supply, accepts C5 connector	3-wire AC inlet I C6	RJ45	AC	15.4w	56V	Level 6	Indoor	0°C to 50°C	X	1G
N000900L017B	PoE Gigabit DC Injector, 15W Output at 56V, Energy Level 6, 0C to 40C	3-wire AC inlet I C6	RJ45	AC	15w	56V	Level 6	Indoor	0°C to 50°C	X	1G
N000000L036A	Power over Ethernet midspan, 60 W, -48 VDC Input	DCin Screw terminal plugs	RJ45	DC	60W	48V	80%	Indoor	20°C to 30°C	X	1G
N000082L164A	PTP 820C INDOOR AC POE INJECTOR, 90W	IEC320 C14	RJ45	AC	90W	56V	Level 6	Indoor	(-10°C to 40°C)	X	1G
N000000L129A	XP Power 120W PSU for cnRanger BBU and RRH	Screw terminal	Dcout Screw terminal	AC	120W	48V	90%	Indoor	(-40°C to 60°C)	X	X
N000000L179B	Outdoor AC/DC PSU, 100W, 54VDC	Direct wire	Direct wire	AC+DC	100W	54V	93%	ID/ OD	(-55°C to70°C)	IP65	X
N000000L054B	Power Supply, AC, 54V 240W	Direct wire	Direct wire	AC + DC	240W	54V	94%	ID/ OD	(-55°C to70°C)	IP65	X

LINE CORDS

N000065L003A	US Line Cord Fig 8
N000065L004A	UK Line Cord Fig 8
N000065L005A	EU Line Cord Fig 8
N000065L006A	Australia Line Cord Fig 8
N000900L011A	AC line cord, AU Type I, 720mm, C5 connector
N000900L012A	AC line cord, IN Type D angled, 720mm, C5 connector
N000900L013A	AC line cord, AR Type I, 720mm, C5 connector
N000900L015A	AC line cord, CN Type I, 720mm, C5 connector
N000900L031A	AC line cord, US Type B, 720mm, C5 connector
N000900L032A	AC line cord, EU Type F angled, 720mm, C5 connector
N000900L033A	AC line cord, UK Type G angled, 720mm, C5 connector
N000900L034A	AC line cord, BR Type N, 720mm, C5 connector
N000900L040A	AC line cord, US Type B, 1.2m C13 connector
N000900L041A	AC line cord, EU Type F angled, 1.2m C13 connector
N000900L042A	AC line cord, AU Type I, 1.2m C13 connector
N000900L043A	AC line cord, IN Type D angled, 1.2m C13 connector
N000900L043B	AC line cord, IN BIS Type D angled, 1.9m C13 connector
N000900L044A	AC line cord, BR Type N, 1.2m C13 connector
N000900L045A	AC line cord, UK Type G angled, 1.2m C13 connector
N000900L046A	AC line cord, CN Type I angled, 1.2m C13 connector
N000900L047A	AC line cord, AR Type I, 1.2m C13 connector
N000900L048A	AC line cord, ZA Type M angled, 720mm, C5 connector
N000900L055A	AC line cord, AR Type I angled, 670mm C7 connector

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Power Accessories

Product Power Requirements and Power Supply Compatibility Matrix

Product	Volts	Wattage	With AUX Power	AC input PoE Injector	AC+DC Power Supply	DC input PoE	AC input Power Supply
PTP 550	56V	30W	X	N000000L034B	X	X	X
PTP 550E	56V	30W	X	N000000L034B	X	X	X
PTP 670	56V	35W	70W	N000065L001C	C000065L002D	X	X
PTP 45700	56V	40W	70W	X	C000065L002D	X	X
PTP 78700	56V	70W	100W	X	C000065L002D	X	X
60GHz cnWave V1000	56V	10W	X	N000900L017A	X	X	X
60GHz cnWave V3000	56V	30W	60W	N000000L142A ,C000000L141A, N000065L001C	N000000L179B	X	X
60GHz cnWave V5000	56V	35W	65W	N000000L142A, C000000L141A, N000065L001C	N000000L179B	X	X
PMP 450	30V	15W	X	N000900L001D	X	X	X
PMP 450i	56V	30W	60W	N000000L034B, N000065L001C	C000065L002D	N000000L036A	X
PMP 450b	30V	15W	X	N000900L001D	X	X	X
5Ghz PMP 450m	56V	80W	110W	X	C000065L002D	X	X
3Ghz PMP 450m	56V	150W	180W	X	N000000L054B	X	X
ePMP 3000	56V	30W	X	N000000L034B	X	X	X
ePMP 3000L	30V	15W	X	N000900L001D	X	X	X
ePMP 3000 MP	56V	15W	X	N000900L017A	X	X	X
ePMP Force 180	30V	15W	X	N000900L001D	X	X	X
ePMP Force 190	30V	15W	X	N000900L001D	X	X	X
ePMP Force 200	30V	15W	X	N000900L001D	X	X	X
ePMP Force 200L	30V	15W	X	N000900L001D	X	X	X
ePMP Force 300-13	30V	15W	X	N000900L001D	X	X	X
ePMP Force 300-13L	30V	15W	X	N000900L001D	X	X	X
ePMP Force 300-16	30V	15W	X	N000900L001D	X	X	X
ePMP Force 300-19	30V	15W	X	N000900L001D	X	X	X
ePMP Force 300-19R	30V	15W	X	N000900L001D	X	X	X
ePMP Force 300-25	30V	15W	X	N000900L001D	X	X	X
ePMP Force 300-25L	30V	15W	X	N000900L001D	X	X	X
ePMP Force 300	30V	15W	X	N000900L001D	X	X	X
ePMP Force 425	56V	30W	X	N000000L034B	X	X	X
ePMP Force 400C	56V	30W	X	N000000L034B	X	X	X
2GHz cnRanger 101 SM	30V	7.5W	X	N000900L001D	X	X	X
2GHz cnRanger 201 SM	30V	9W	X	N000900L001D	X	X	X
3GHz cnRanger 201 SM	30V	9W	X	N000900L001D	X	X	X
3GHz cnRanger RRH	48V	60W	X	X	X	X	N000000L129A
2GHz cnRanger RRH	48V	72W	X	X	X	X	N000000L129A

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SFP Guide

SFP Module Selection Guide

Gigabit SFPs



C000065L008A

Single-Mode Optical 1000BaseLX SFP Interface per ODU
Speed: 1 G
Mode: Single
Wavelength: 1310nm
Kit Contents: SFP Module, Cable Gland (P16 Long), Licence Key document
Spare Glands: N000000L140A
Product Support: PTP 650/670, PTP 45700
Operating Temperature: (-40°C to +85°C)



C050055L003A

PTP 550 SFP Single-Mode Optical 1000BaseLX SFP Interface per ODU
Speed: 1 G
Mode: Single
Wavelength: 1310nm
Kit Contents: SFP Module, Cable Gland (P16 Long)
Spare Glands: N000000L140A
Product Support: PTP 550/550E
Operating Temperature: (-40°C to +85°C)



N000082L059A

PTP 820 SFP Optical 1000Base-LX,EXT TEMP, 1310 nm, Single-Mode
Speed: 1 G
Mode: Single
Wavelength: 1310nm
Kit Contents: SFP Module
Spare Glands: N000082L014A
Product Support: PTP 820/850
Operating Temperature: (-40°C to +85°C)



N000082L213A

PTP 820 SFP, single fiber,1490nm Tx/1310nm Rx, SM, EXT TEMP
Speed: 1 G
Mode: Single
Wavelength: 1490nm TX & 1310 RX
Kit Contents: SFP Module
Spare Glands: N000082L014A
Product Support: PTP 820/850
Operating Temperature: (-10°C to +70°C)

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SFP Module Selection Guide

Gigabit SFPs



N000082L214A

PTP 820 SFP, single fiber,1310nm Tx/1490nm Rx, SM, EXT TEMP

Speed: 1 G

Mode: Single

Wavelength: 1310nm TX & 1490 RX

Kit Contents: SFP Module

Spare Glands: N000082L014A

Product Support: PTP 820/850

Operating Temperature: (-10°C to +70°C)



N800082L010A

PTP 820 CSFP, 1310nm Tx/1490nm Rx, SM, EXT TEMP

Speed: 1 G

Mode: Single

Wavelength: 1310nm TX & 1490 RX

Kit Contents: SFP Module

Spare Glands: N000082L014A

Product Support: PTP 820/850

Operating Temperature: (-40°C to +85°C)



N800082L011A

PTP 820 CSFP, 1490nm Tx/1310nm Rx, SM, EXT TEMP

Speed: 1 G

Mode: Single

Wavelength: 1490nm TX & 1310 RX

Kit Contents: SFP Module

Spare Glands: N000082L014A

Product Support: PTP 820/850

Operating Temperature: (-40°C to +85°C)



SFP-1G-LX

1G SFP SMF LX Transceiver, 1310nm. -40C to 85C

Speed: 1 G

Mode: Single

Wavelength: 1310nm

Kit Contents: SFP Module

Spare Glands: C000000L124A-cnWave,N000000L140A-PMP 450m

Product Support: 60GHz cnWave (V3000, V5000) cnMatrix,PMP 450m, cnRanger

Operating Temperature: (-40°C to +85°C)

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SFP Module Selection Guide

Gigabit SFPs



C000065L009A

Multi-mode Optical 1000BaseSX SFP Interface per ODU

Speed: 1 G

Mode: Multi

Wavelength: 850nm

Kit Contents: SFP Module, Cable Gland (P16 Long), Licence Key document

Spare Glands: N000000L140A

Product Support: PTP 650/670, PTP 45700

Operating Temperature: (-40°C to +85°C)



C050055L002A

PTP 550 SFP Multi-mode Optical 1000BaseSX SFP Interface per ODU

Speed: 1 G

Mode: Multi

Wavelength: 850nm

Kit Contents: SFP Module, Cable Gland (P16 Long)

Spare Glands: N000000L140A

Product Support: PTP 550/550E

Operating Temperature: (0°C to +70°C)



N000082L072A

PTP 820 SFP Optical 1000Base-SX,EXT TEMP, 850 nm, Multi-Mode

Speed: 1 G

Mode: Multi

Wavelength: 850nm

Kit Contents: SFP Module

Spare Glands: N000082L014A

Product Support: PTP 820/850

Operating Temperature: (-40°C to +85°C)



SFP-1G-SX

1G SFP MMF SX Transceiver, 850nm. -40C to 85C

Speed: 1 G

Mode: Multi

Wavelength: 850nm

Kit Contents: SFP Module

Spare Glands: C000000L124A-cnWave,N000000L140A-PMP 450m

Product Support: 60GHz cnWave (V3000, V5000), cnMatrix, PMP 450m, cnRanger

Operating Temperature: (-40°C to +85°C)

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SFP Module Selection Guide

Gigabit SFPs



C000065L010A

Gigabit Ethernet 1000BaseT SFP Interface per ODU

Speed: 1 G

Mode: Gigabit-Ethernet

Wavelength: NA

Kit Contents: SFP Module, Cable Gland (P16 Long), Licence Key document

Spare Glands: N000000L140A

Product Support: PTP 650/670, PTP 45700

Operating Temperature: (-40°C to +85°C)



C050055L001A

PTP 550 SFP Interface for Gigabit Ethernet 1000BaseT per ODU

Speed: 1 G

Mode: Gigabit-Ethernet

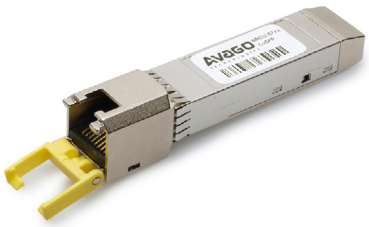
Wavelength: NA

Kit Contents: SFP Module, Cable Gland (P16 Long)

Spare Glands: N000000L140A

Product Support: PTP 550/550E

Operating Temperature: (-40°C to +85°C)



N000082L117A

PTP 820 SFP Electric Int 1000Base-T,EXT TEMP

Speed: 1 G

Mode: Gigabit-Ethernet

Wavelength: NA

Kit Contents: SFP Module

Spare Glands: N000082L014A

Product Support: PTP 820/850

Operating Temperature: (-40°C to +85°C)



SFP-1G-COPPER

1000Base-T (RJ45) SFP Transceiver. -40C to 85C

Speed: 1 G

Mode: Gigabit-Ethernet

Wavelength: NA

Kit Contents: SFP Module

Spare Glands: C000000L124A-cnWave, N000000L140A-PMP 450m

Product Support: 60GHz cnWave (V3000, V5000), cnMatrix, PMP 450m, cnRanger

Operating Temperature: (-40°C to +85°C)

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SFP Module Selection Guide

Multi-Gigabit SFPs



N800082L013A

PTP 820/850 SFP+, 1310nm,SM, 10Gbit, Industrial Grade

Speed: 10 G

Mode: Single

Wavelength: 1310nm

Kit Contents: SFP Module

Spare Glands: N000082L014A

Product Support: PTP 820 / PTP 850

Operating Temperature: (-40°C to +85°C)



SFP-10G-LR

10G SFP+ SMF LR Transceiver, 1310nm. -40C to 85C

Speed: 10 G

Mode: Single

Wavelength: 1310nm

Kit Contents: SFP Module

Spare Glands: C000000L124A-CnWave

Product Support: 60GHz cnWave (V3000, V5000), cnMatrix, cnRanger

Operating Temperature: (-40°C to +85°C)



N800082L012A

PTP 820 SFP+, 850nm,MM, 10Gbit, Industrial Grade

Speed: 10 G

Mode: Multi

Wavelength: 850nm

Kit Contents: SFP Module

Spare Glands: N000082L014A

Product Support: PTP 820/850

Operating Temperature: (-40°C to +85°C)



SFP-10G-SR

10G SFP+ MMF SR Transceiver, 850nm. -40C to 85C

Speed: 10 G

Mode: Multi

Wavelength: 850nm

Kit Contents: SFP Module

Spare Glands: C000000L124A-CnWave

Product Support: 60GHz cnWave (V3000, V5000), cnMatrix, cnRanger

Operating Temperature: (-40°C to +85°C)

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SFP Module Selection Guide

Multi-Gigabit SFPs



SFP-10G-COPPER

10G Base-T (RJ45) SFP Transceiver. 0C to 70C

Speed: 10 G

Mode: Gigabit-Ethernet

Wavelength: NA

Kit Contents: SFP Module

Spare Glands: C000000L124A-CnWave

Product Support: 60GHz cnWave (V3000, V5000), cnMatrix, cnRanger

Operating Temperature: (0°C to +70°C)



N000082L203A

PTP 850 QSFP Transceiver

Speed: 40 G

Mode: Multi

Wavelength: 850nm

Kit Contents: SFP Module

Spare Glands: N000082L014A

Product Support: PTP 850

Operating Temperature: (-40°C to +85°C)

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SFP Module Selection Guide

SFP Product Compatibility Table

Product	1G 850nm	1G 1310nm	1G Copper	1G SFP 1490nmTx/ 1310nm Rx	1G SFP 1310nmTx/ 14900nm Rx	1G CSFP 1490nmTx/ 1310nm Rx	1G SFP C1310nmTx/ 14900nm Rx	10G 850nm	10G 1310nm	10G Copper	40G
PTP 550	C050055L002A	C050055L003A	C050055L001A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PTP 550E	C050055L002A	C050055L003A	C050055L001A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PTP 670	C000065L009A	C000065L008A	C000065L010A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PTP 45700	C000065L009A	C000065L008A	C000065L010A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PTP 48700	N000070L016A	N000070L015A	N000070L017A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PTP 820E	N000082L072A	N000082L059A	N000082L117A	N000082L213A	N000082L214A	N800082L011A	N800082L010A	N800082L012A	N800082L013A	N/A	N/A
PTP 820F	N000082L072A	N000082L059A	N000082L117A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PTP 820G	N000082L072A	N000082L059A	N000082L117A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PTP 820S	N000082L072A	N000082L059A	N000082L117A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PTP 820C HP	N000082L072A	N000082L059A	N000082L117A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PTP 820C	N000082L072A	N000082L059A	N000082L117A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PTP 850E	N000082L072A	N000082L059A	N000082L117A	N000082L213A	N000082L214A	N800082L011A	N800082L010A	N800082L012A	N800082L013A	N/A	N000082L203A
PTP 850C	N000082L072A	N000082L059A	N000082L117A	N000082L213A	N000082L214A	N800082L011A	N800082L010A	N800082L012A	N800082L013A	N/A	N/A
PTP 850S	N000082L072A	N000082L059A	N000082L117A	N000082L213A	N000082L214A	N800082L011A	N800082L010A	N800082L012A	N800082L013A	N/A	N000082L203A
V3000	SFP-1G-SX	SFP-1G-LX	SFP-1G-Copper	N/A	N/A	N/A	N/A	SFP-10G-SR	SFP-10G-LR	SFP-10G-Copper	N/A
V5000	SFP-1G-SX	SFP-1G-LX	SFP-1G-Copper	N/A	N/A	N/A	N/A	SFP-10G-SR	SFP-10G-LR	SFP-10G-Copper	N/A
PMP 450m	SFP-1G-SX	SFP-1G-LX	SFP-1G-Copper	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
EX1010	SFP-1G-SX	SFP-1G-LX	SFP-1G-Copper	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
EX1010-P	SFP-1G-SX	SFP-1G-LX	SFP-1G-Copper	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
EX1028	SFP-1G-SX	SFP-1G-LX	SFP-1G-Copper	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
EX1028-P	SFP-1G-SX	SFP-1G-LX	SFP-1G-Copper	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
EX2010	SFP-1G-SX	SFP-1G-LX	SFP-1G-Copper	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
EX2010-P	SFP-1G-SX	SFP-1G-LX	SFP-1G-Copper	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
EX2028	SFP-1G-SX	SFP-1G-LX	SFP-1G-Copper	N/A	N/A	N/A	N/A	SFP-10G-SR	SFP-10G-LR	SFP-10G-Copper	N/A
EX2028-P	SFP-1G-SX	SFP-1G-LX	SFP-1G-Copper	N/A	N/A	N/A	N/A	SFP-10G-SR	SFP-10G-LR	SFP-10G-Copper	N/A
EX2016M-P	SFP-1G-SX	SFP-1G-LX	SFP-1G-Copper	N/A	N/A	N/A	N/A	SFP-10G-SR	SFP-10G-LR	SFP-10G-Copper	N/A
EX2052	SFP-1G-SX	SFP-1G-LX	SFP-1G-Copper	N/A	N/A	N/A	N/A	SFP-10G-SR	SFP-10G-LR	SFP-10G-Copper	N/A
EX2052-P	SFP-1G-SX	SFP-1G-LX	SFP-1G-Copper	N/A	N/A	N/A	N/A	SFP-10G-SR	SFP-10G-LR	SFP-10G-Copper	N/A
EX2052R-P	SFP-1G-SX	SFP-1G-LX	SFP-1G-Copper	N/A	N/A	N/A	N/A	SFP-10G-SR	SFP-10G-LR	SFP-10G-Copper	N/A
cnRanger RRH 2 and 3 GHz	SFP-1G-SX	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
cnRanger Sierra 800 BBU	SFP-1G-SX	N/A	N/A	N/A	N/A	N/A	N/A	SFP-10G-SR	SFP-10G-LR	SFP-10G-Copper	N/A

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Cable Guide

Cable Selection Guide

RJ45

Name	Description	Length (meters)	Type
WB3176A	328 ft (100 m) Reel Outdoor Copper Clad CAT5E (Recommended for PTP)	100	CAT5E
N000000L155A	CAT6A Outdoor Cable, 100m	100	CAT6A
WB3175A	1000 ft Reel Outdoor Copper Clad CAT5E (Recommended for PTP)	304.8	CAT5E
N000082L172B	CAT6A Outdoor Cable, 305m	305	CAT6A

Coaxial

Name	Description	Length (meters)
30010194001	50 Ohm Braided Coaxial Cable - 75 meters	75
30010195001	50 Ohm Braided Coaxial Cable - 500 meters	500

DC Cable

Name	Description	Length (meters)
N000000L130A	cnRanger RRH DC power cable (2 meters)	2
N000000L115A	4-Conductor 0.75mm x2 DC cable – 100m	100
N000082L181A	PTP 820 Outdoor DC Cable, 10AWG, 150m, M28 Gland to Open End	150
N000082L182A	PTP 820 Outdoor DC Cable, 10AWG, 200m, M28 Gland to Open End	200
N000082L183A	PTP 820 Outdoor DC Cable, 10AWG, 250m, M28 Gland to Open End	250
N000000L117A	4-Conductor 0.75mm x2 DC cable – 300m	300
N000000L118A	4-Conductor 1mm x2 DC cable – 300m	300
N000082L184A	PTP 820 Outdoor DC Cable, 10AWG, 300m, M28 Gland to Open End	300

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Cable Selection Guide

Optical

Name	Description	Length (meters)	Mode
N000082L215A	Optical Cable, MM, 1m	1	Multi Mode Fiber
N000000L131A	cnRanger RRH CPRI Fiber cable (2 meterS)	2	Multi Mode Fiber
N000082L176A	PTP 820 Optical Cable,SM, 5m	5	Single Mode Fiber
N000082L192A	Optical Cable, MM, 10m	10	Multi Mode Fiber
N000082L187A	Optical Cable, SM, 10m	10	Single Mode Fiber
N000082L194A	Optical Cable, MM, 30m	30	Multi Mode Fiber
N000082L205A	Optical Cable, MPO(F)/MPO(F),4P,Type B,30m,MM,OM4,M28 Gland,ARM	30	Multi Mode Fiber
N000082L139A	Optical Cable,SM, 30m	30	Single Mode Fiber
N000082L206A	Optical Cable,MPO(F)/MPO(F),4P,Type B,50m,MM,OM4,M28 Gland,ARM	50	Multi Mode Fiber
N000082L140A	Optical Cable, SM, 50m	50	Single Mode Fiber
N000082L196A	Optical Cable, MM, 80m	80	Multi Mode Fiber
N000082L207A	Optical Cable,MPO(F)/MPO(F),4P,Type B,80m,MM,OM4,M28 Gland,ARM	80	Multi Mode Fiber
N000082L141A	Optical Cable, SM, 80m	80	Single Mode Fiber
N000082L208A	Optical Cable, MPO(F)/MPO(F),4P,Type B,100m,MM,OM4,M28 Gland,ARM	100	Multi Mode Fiber
N000082L142A	Optical Cable, SM, 100m	100	Single Mode Fiber
N000082L198A	Optical Cable, MM, 150m	150	Multi Mode Fiber
N000082L209A	Optical Cable, MPO(F)/MPO(F),4P,Type B,150m,MM,OM4,M28 Gland,ARM	150	Multi Mode Fiber
N000082L143A	Optical Cable, SM, 150m	150	Single Mode Fiber

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Cable Selection Guide

Miscellaneous

Name	Description
N000000L127A	Cable Assy, Shielded, 4C Stereo Plug -3.5MM TO RJ45
30009406002	N-to-N CABLE (16")
RDN5785A	3 M (9.8 FT) Superflex RF Low Loss Jumper Cable
07009304001	Hoisting Grip for CNT-400 cable
7009304001	Hoisting Grip for CNT-400 cable
N000082L057A	PTP 820 External Alarms open cable 2.5m
N000082L060A	PTP 820C MIMO or Prot management cable 10m
N000082L061A	PTP 820C MIMO or Prot management cable 1m
N000082L136A	PTP 820C/S MIMO or Prot management cable 20m
N000082L122A	PTP 820G Ethernet split cable for Management
N000082L023A	PTP 820 16E1 cable MDR68-RJ45 3M,LA,cross
N000082L024A	PTP 820 16E1 cable open-end, 3M
N000082L025A	PTP 820 16T1 cable MDR68-RJ45 3M,LA,cross
N000082L026A	PTP 820 16T1 cable open-end, 3M
N000082L063A	PTP 820C, Cable, SFP, 4x4MIMO_DATA_SHARING_KIT_10M
N000082L138A	PTP 820C, Cable, SFP, 4x4MIMO_DATA_SHARING_KIT_20M
C000082L153A	PTP 820G Fast Ethernet Protection Y-cable, 1.34m, Cat5E
C000082L154A	PTP 820G TDM Protection Y cable, 0.6m, 120 ohm
N000082L202A	PTP 850E Clock sharing Cable for XPIC
N000082L201A	PTP 850E Extension Cable for protection and XPIC
C000082L155A	PTP820G Splitter cable for protection and management, 1.34m, CAT5E
N000081L008A	IF cable for PTP810 MMU and IRFU
N000082L159A	IF cable for PTP820G IDU and RFU-A
N000082L212A	Optical Cable, Dual LC to LC/LC Split, 5.3M, SM, 3 x M28 Gland, outdoor

Glands

Name	Description
C000000L123A	Cable Gland for 6-9mm cable, M25, Qty 10
C000000L124A	Cable Gland, Long, M25, Qty 5
C000000L176A	Cable Gland for 4-6mm cable, M25, Qty 10
N000000L135A	IP67 doors and glands for 450b High Gain, 4-pack
N000000L140A	Silver RJ-45 Gland Spare - PG16 Long size - pack of 5
N000065L033A	Silver RJ-45 Gland Spare - PG16 size - pack of 10
N000070L010A	Black RJ-45 Gland Spare - PG16 size - pack of 10
N000082L014A	PTP 820 Glands_x5_Kit
N000085L001A	PTP 850 M28 Glands extender
WB1811B	PTP SER EMC Cable Gland (Grounding) Qty. 10

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Cable Selection Guide

Grounding

N000082L173A	**Grounding Kit for CAT5E F/UTP 8mm and Cat6A Cable**
C000000L138A	Grounding Cable, 0.6m with M6 ring to M6 ring
01010419001	Coaxial Cable Grounding Kits for 1/4" and 3/8" Cable
1010419001	Coaxial Cable Grounding Kits for 1/4" and 3/8" Cable
N000082L116B	Grounding Cable, 1m with M6 ring to M6 ring
WB3616H	Coaxial Cable Installation Assembly Kit (W/O LPU End Kit)

Connector

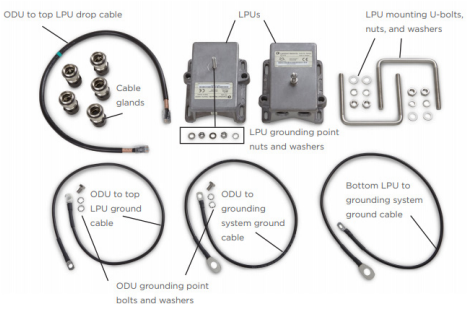
Name	Description	Type
N000082L174B	RJ45 Connector for CAT6A Cable, Qty 10	RJ 45
N000081L005A	TNC Male for CNT-400 braided cable	TNC Male
N000081L006A	TNC Male Right Angle for CNT-400 braided cable	TNC Male
01010589001	RF Connector, N, Male, Right Angle for CNT-400 Cable	N-Type Male
1010589001	RF Connector, N, Male, Right Angle for CNT-400 Cable	N-Type Male
09010091001	RF Connector, N, Male, Straight for CNT-400 Cable	N-Type Male
9010091001	RF Connector, N, Male, Straight for CNT-400 Cable	N-Type Male

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Lightning Protection Unit (LPU) Guide

DC Power over Ethernet (PoE)



C000065L007B

LPU and Grounding Kit (1 kit per ODU)

Volts: 56V
Type: DC Power over Ethernet (PoE)
Env Protection: IP66/IP67
Transfer Rate: 1000 Mbps
Connectors: Two x RJ-45
Protection Mode: Line-to-ground
Surge Rating: 172A, 10/1000us(L-G) 230A, 5/320us (EN61000-4-5)
Mounting: Pole mount 1-3" (25-75 mm) or wall mount
Operating Temperature: -40°C to +60°C
Grounding Accessories: Included



C000000L033A

Gigabit Surge Suppressor (56V), 10/100/1000 BaseT

Volts: 56V
Type: DC Power over Ethernet (PoE)
Env Protection: IP54
Transfer Rate: 1000 Mbps
Connectors: Two x RJ-45
Protection Mode: Line-to-ground
Surge Rating: 172A, 10/1000us(L-G) 230A, 5/320us (EN61000-4-5)
Mounting: Pole mount or wall mount
Operating Temperature: -40°C to +60°C
Grounding Accessories: M5-Termination ring included,C000000L138A (not included)



C000000L065A

Gigabit Surge Suppressor (30V)

Volts: 30V
Type: DC Power over Ethernet (PoE)
Env Protection: IP54
Transfer Rate: 1000 Mbps
Connectors: Two x RJ-45
Protection Mode: Line-to-ground
Surge Rating: 216A 10/1000us
Mounting: Pole mount or wall mount
Operating Temperature: -40°C to +60°C
Grounding Accessories: M5-Termination ring included, C000000L138A (not included)



600SSH

Surge Suppressor

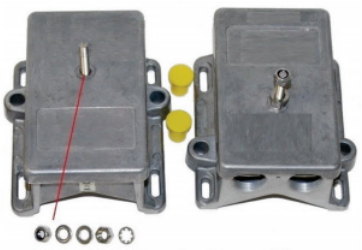
Volts: 30V
Type: DC PoE
Env Protection: IP54
Transfer Rate: 10/100 Mbps
Connectors: Two x RJ-45
Protection Mode: Line-to-ground
Surge Rating: 200A common mode (EN61000-4-5)
Mounting: Pole mount or wall mount
Operating Temperature: -40°C to +60°C
Grounding Accessories: C000000L138A (not included)

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LPU Selection Guide

DC Power LPUs



C000000L114A

DC Surge Suppressor (DC LPU kit) with 2x 4-pin power connectors

Volts: 56V
Type: DC Power
Env Protection: IP66/IP67
Transfer Rate: N/A
Connectors: Molex DC
Protection Mode: Line-to-ground

Surge Rating: 172A, 10/1000us(L-G) 230A, 5/320us (EN61000-4-5)
Mounting: Pole mount 1-3” (25-75 mm) or wall mount
Operating Temperature: -40°C to +60°C
Grounding Accessories: Included

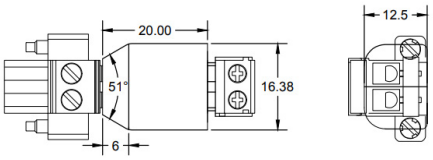


WB3657A

LPU End Kit PTP 800/820

Volts: 56V
Type: DC Power
Env Protection: IP67
Transfer Rate: N/A
Connectors: Two x N Female
Protection Mode: Line-to-ground

Surge Rating: 20kA 8/20us (EN61000-4-5)
Mounting: Pole mount
Operating Temperature: -40°C to +60°C
Grounding Accessories: C000000L138A (not included)



N000082L185A

PTP 820 DC surge suppressor

Volts: 56V
Type: DC Power
Env Protection: IP54
Transfer Rate: N/A
Connectors: Screw Terminals
Protection Mode: Line-to-line

Surge Rating: 144.9A 10/1000us
Mounting: Mounts to Radio
Operating Temperature: -40°C to +60°C
Grounding Accessories: N/A



N000082D012A

PTP 820 Gas Tube Surge Arrestor End Kit

Volts: 56V
Type: DC Power
Env Protection: IP67
Transfer Rate: N/A
Connectors: Two x N Female
Protection Mode: Line-to-line and line-to-ground

Surge Rating: 20kA 8/20 us
Mounting: Pole mount or wall mount
Operating Temperature: -30°C to 70°C
Grounding Accessories: N/A

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LPU Selection Guide

LPUs

	C000065L007B	C000000L033A	C000000L065A	600SSH	C000000L114A	WB3657A	N000082L185A	N000082D012A
Volts	56V	56V	30V	30V	56V	56V	56V	56V
Type	DC PoE	DC PoE	DC PoE	DC PoE	DC Power	DC Power	5DC Power	5DC Power
Env Protection	IP66/IP67	IP54	IP54	IP54	IP66/IP67	IP67	IP54	IP67
Transfer Rate	1000 Mbps	1000 Mbps	1000 Mbps	10/100 Mbps	N/A	N/A	N/A	N/A
Connectors	Two x RJ-45	Two x RJ-45	Two x RJ-45	Two x RJ-45	Molex DC	Two x N Female	Screw Terminals	Two x N Female
Protection Mode	Line-to-line and line-to-ground						Line-to-line	
Surge Rating	172A, 10/1000us(L-G) I 230A, 5/320us (EN61000-4-5)	172A, 10/1000us(L-G) I 230A, 5/320us (EN61000-4-5)	216A 10/1000us	200A common mode (EN61000-4-5)	172A, 10/1000us(L-G) I 230A, 5/320us (EN61000-4-5)	20kA 8/20us (EN61000-4-5)	144.9A 10/1000us	L20kA 8/20 us
Mounting	Pole mount 1-3" (25-75 mm) or wall mount	Pole mount or wall mount	Pole mount or wall mount	Pole mount or wall mount	Pole mount 1-3" (25-75 mm) or wall mount	Pole mount	Radio mount	Pole mount or wall mount
Operating Temperature	-40°C to +60°C	-40°C to +60°C	-40°C to +60°C	-40°C to +60°C	-40°C to +60°C	-40°C to +60°C	-40°C to +60°C	-30°C to 70°C
Grounding Accessories	Included	M5-Termination ring included, C000000L138A	M5-Termination ring included, C000000L138A	C000000L138A	Included	C000000L138A	N/A	N/A

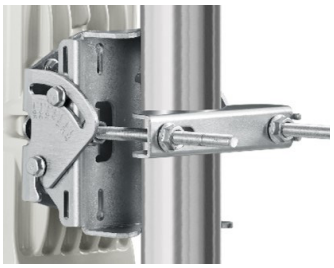
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Mounting Bracket Guide

Mounting Bracket Selection Guide

Mounting Bracket



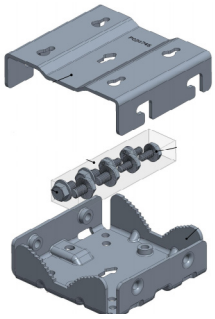
N000045L002A
Tilt Bracket Assembly



C000000L139
Telescope Mounting Kit



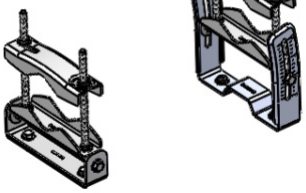
N000065L042A
Large Diameter Extension Kit for Standard Integrated Bracket



C000000L136A
Universal Wall Mount



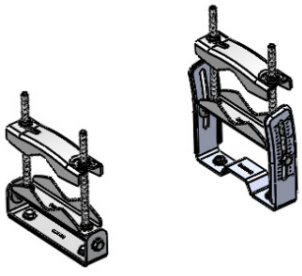
N000065L031A
Mounting Bracket (integrated)



C000045L100A
5 GHz 450m AP Mounting Bracket Kit (A005279)



N000900L022A
Adjustable Pole Bracket



C000045L101A
3 GHz 450m AP Mounting Bracket Kit (A005466)

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Mounting Bracket Selection Guide

Mounting Bracket



N000900L060A
ePMP 3000 Pole and Wall Mount Bracket



N000000L128A
cnRanger Palisade RRH Mounting Kit

Product	Mounting Bracket
PTP 550	N000045L002A
PTP 550E	N000045L002A
PTP 670	N000045L002A
PTP 48700	N000045L002A,N000065L042A,N000065L031A
PTP 78700	N000045L002A
60GHz cnWave V1000	N000900L022A
60GHz cnWave V3000	N000900L022A, C000000L139
60GHz cnWave V5000	C000000L136A,N000045L002A
PMP 450i Connectorized	N000045L002A,N000065L042A,N000065L031A
PMP 450i Integrated AP	C000045L005A
PMP 450i Integrated SM	N000045L002A,N000065L042A,N000065L031A
5Ghz PMP 450m	C000045L100A
3Ghz PMP 450m	C000045L101A
ePMP 3000	N000900L060A
ePMP Force 180	N000900L022A
ePMP Force 300-16	N000900L022A
3GHz cnRanger RRH	N000000L128A
2GHz cnRanger RRH	N000000L128A

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Cambium Networks empowers millions of people with wireless connectivity worldwide. Its wireless portfolio is used by commercial and government network operators as well as broadband service providers to connect people, places and things. With a single network architecture spanning fixed wireless and Wi-Fi, Cambium Networks enables operators to achieve maximum performance with minimal spectrum. End-to-end cloud management transforms networks into dynamic environments that evolve to meet changing needs with minimal physical human intervention. Cambium Networks empowers a growing ecosystem of partners who design and deliver gigabit wireless solutions that just work.

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