



PORTABLE ANTENNAS

Everything needs to be connected **Multi-band & narrowband**

Portable antennas are often, by definition, mounted directly on the radio / transceiver (Radio transceivers, sensors, instruments, and other devices networked together with computers' industrial applications).

However, other mounting possibilities exist, for instance using wall brackets.

$\frac{1}{4} \lambda$ Portable Antenna (mounted directly on the radio / transceiver)

$\frac{1}{2} \lambda$ Portable Antenna for Portable Equipment (no ground plane needed)

Portable antennas for HF, VHF and UHF frequencies.



VHF PORTABLE ANTENNAS 1/4 λ

(Mounted directly on equipment)

Model	Frequency	Gain	Type	Length	Item no.
CL27 1/4 (FME)	26.9 – 27.5 MHz	0 dBd	1/4 λ	520 mm	*14 111
CL30 1/4 (FME)	30 – 31 MHz	0 dBd	1/4 λ	475 mm	*14 136
CL40 1/4 (FME)	40 – 41 MHz	0 dBd	1/4 λ	390 mm	*14 144
HFBL27 (UHF-RA)	26.9 – 27.5 MHz	0 dBd	1/4 λ	520 mm	14 120
HFBL30 (UHF-RA)	30 – 31 MHz	0 dBd	1/4 λ	390 mm	14 150
HFBL40 (UHF-RA)	40 – 41 MHz	0 dBd	1/4 λ	310 mm	14 085
CL4M/L (FME)	64 – 74 MHz	0 dBd	1/4 λ	535 mm	14 088
CL4M/M (FME)	72 – 82 MHz	0 dBd	1/4 λ	465 mm	14 109
CL4M/H (FME)	80 – 90 MHz	0 dBd	1/4 λ	400 mm	14 110
CL4M/U (FME)	88 – 98 MHz	0 dBd	1/4 λ	290 mm	14 226
HE4M Universal (FME)	By cutting 66 – 88 MHz	0 dBd	1/4 λ	255 mm*	14 115
HE2M Universal (FME)	By cutting 144 – 225 MHz	0 dBd	1/4 λ	175 mm*	14 087
PT2M 1/4 Universal (FME)	By cutting 135 – 185 MHz	0 dBd	1/4 λ	520 mm*	14 093
PT141.5 1/4 (ICOM-SMA)	129 – 152 MHz	0 dBd	1/4 λ	508 mm	14 511
PT144-164 1/4 (ICOM-SMA)	144 – 164 MHz	0 dBd	1/4 λ	455 mm	14 512
HE141.5 (ICOM-SMA)	133.5 – 149.5 MHz	0 dBd	1/4 λ	174 mm	14 514
HE155 (ICOM-SMA)	147 – 163 MHz	0 dBd	1/4 λ	159 mm	14 515
HUNTER-68 (FME)	64 – 74 MHz	0 dBd	1/4 λ	560 mm	14 252
HUNTER-68 (TNC)	64 – 74 MHz	0 dBd	1/4 λ	560 mm	14 255
HUNTER PT144-164 (SMA)	144 – 164 MHz	0 dBd	1/4 λ	460 mm	14 600

* Comes also with adapter BNC-male, TNC-male and UHF-male fixed on antenna.

Antennas comes in bag but can be ordered as bulk. If you put IP behind item no (example 14 xxx **IP**).



UHF PORTABLE ANTENNAS 1/4 λ

(Mounted directly on equipment)

Model	Frequency	Gain	Type	Length	Item no.
PT390 1/4 (FME)	380 – 430 MHz	0 dBd	1/4 λ	189 mm	14 139
PT420 1/4 (FME)	400 – 450 MHz	0 dBd	1/4 λ	181 mm	14 108
PT435 1/4 (FME)	420 – 470 MHz	0 dBd	1/4 λ	170 mm	14 332
PT450 1/4 (FME)	440 – 490 MHz	0 dBd	1/4 λ	165 mm	14 040
PT435 1/4 (SMA)	420 – 450 MHz	0 dBd	1/4 λ	160 mm	14 333
HE390 (FME)	380 – 410 MHz	0 dBd	1/4 λ	74 mm	14 099
HE420 (FME)	400 – 430 MHz	0 dBd	1/4 λ	75 mm	14 104
HE435 (FME)	420 – 450 MHz	0 dBd	1/4 λ	70 mm	14 105
HE450 (FME)	440 – 470 MHz	0 dBd	1/4 λ	70 mm	14 103
HE425 (ICOM-SMA)	410 – 440 MHz	0 dBd	1/4 λ	72 mm	14 516
HE445 (ICOM-SMA)	430 – 460 MHz	0 dBd	1/4 λ	70 mm	14 517
HE460 (ICOM-SMA)	445 – 475 MHz	0 dBd	1/4 λ	69 mm	14 518
PTHE435 1/4 (FME)	425 – 445 MHz	0 dBd	1/4 λ	80 mm	14 329
PTHE435 1/4 (SMA)	425 – 445 MHz	0 dBd	1/4 λ	70 mm	14 330
PT434/868 1/4 (FME)	434-438/868-870 MHz	0 dBd	1/4 λ	170 mm	14 710
PT434/868 1/4 (SMA)	434-438/868-870 MHz	0 dBd	1/4 λ	160 mm	14 712

* Comes also with adapters as BNC-male, TNC-male and UHF-male fixed on antenna.

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PT390 1/4 (FME)	HE390 (FME)	HE425 (ICOM-SMA)	PTHE435 (FME)	PTHE435 (SMA)	PT434/868 (FME)	PT434/868 (SMA)
PT420 1/4 (FME)	HE420 (FME)	HE445 (ICOM-SMA)				
PT435 1/4 (FME)	HE435 (FME)	HE460 (ICOM-SMA)				
PT450 1/4 (FME)	HE450 (FME)					

UHF PORTABLE ANTENNAS 1/4 λ (Mounted directly on equipment)

Model	Frequency	Gain	Type	Length	Item no.
PT869 ¼ (FME)	860 – 870 MHz	0 dBd	1/4 λ	110 mm	14 338
PT869 ¼ (SMA)	860 – 870 MHz	0 dBd	1/4 λ	100 mm	14 340
PT900 ¼ (SMA)	890 – 960 MHz	0 dBd	1/4 λ	100 mm	14 024
PT-QUAD ¼ (FME)	824-894 / 1850-1990 MHz	0 dBd	1/4 λ	110 mm	14 189
PT-QUAD ¼ (SMA)	824-894 / 1850-1990 MHz	0 dBd	1/4 λ	100 mm	14 193
MINI-PT QUAD ¼ (FME)	824-894 / 1850-1990 MHz	0 dBd	1/4 λ	52.2 mm	14 922
MINI-PT QUAD ¼ (FME-RA)	824-894 / 1850-1990 MHz	0 dBd	1/4 λ	53.5 mm	14 924
MINI-PT QUAD ¼ (SMA)	824-894 / 1850-1990 MHz	0 dBd	1/4 λ	42.5 mm	14 918
MINI-PT QUAD ¼ (SMA-RP)	824-894 / 1850-1990 MHz	0 dBd	1/4 λ	43 mm	14 919
MINI-PT QUAD ¼ (SMA-RA)	824-894 / 1850-1990 MHz	0 dBd	1/4 λ	55 mm	14 920
PT1900 ¼ (FME)	1850 – 1990 MHz	0 dBd	1/4 λ	53 mm	14 380
PT1900 ¼ (SMA)	1850 – 1990 MHz	0 dBd	1/4 λ	43 mm	14 381
PT-UMTS ¼ (FME)	1920 - 2170 MHz	0 dBd	1/4 λ	53 mm	14 700
PT-UMTS ¼ (SMA)	1920 - 2170 MHz	0 dBd	1/4 λ	53 mm	14 702
PT-UMTS ¼ (SMA-RA)	1920 - 2170 MHz	0 dBd	1/4 λ	55 mm	14 704
PT2400 ¼ (FME)	2310 – 2485 MHz	0 dBd	1/4 λ	53 mm	14 345
PT2400 ¼ (SMA)	2310 – 2485 MHz	0 dBd	1/4 λ	43 mm	14 350
PT2400 ¼ (SMA-RA)	2310 – 2485 MHz	0 dBd	1/4 λ	55 mm	14 352

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PT869 ¼ (FME) PT-QUAD (FME)	PTxxx ¼ (SMA) PT-QUAD (SMA)	MINI-PT QUAD ¼ (FME)	MINI-PT QUAD ¼ (RA-FME)	MINI-PT QUAD ¼ (SMA)	MINI-PT QUAD ¼ (SMA-RP)	MINI-PT QUAD ¼ (SMA-RA)
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PT1900 ¼ (FME) PT-UMTS¼ (FME)	PT1900 ¼ (SMA) PT-UMTS¼ (SMA)	PT-UMTS ¼ (SMA-RA)	PT2400 ¼ (FME)	PT2400 ¼ (SMA)	PT2400 ¼ (SMA-RA)
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PORTABLE ANTENNAS 1/2 λ (no ground plane needed)

Model	Frequency	Gain	Type	Length	Item no.
PT390 1/2 (FME)	380 – 410 MHz	0 dBd	1/2 λ	475 mm	14 140
PT420 1/2 (FME)	400 – 430 MHz	0 dBd	1/2 λ	430 mm	14 079
PT435 1/2 (FME)	420 – 450 MHz	0 dBd	1/2 λ	405 mm	14 070
PT450 1/2 (FME)	440 – 470 MHz	0 dBd	1/2 λ	390 mm	14 026
PT869 1/2 (FME)	860 – 870 MHz	0 dBd	1/2 λ	195 mm	14 308
PT900 1/2 (FME)	860 – 960 MHz	0 dBd	1/2 λ	180 mm	14 017
PT1800 1/2 (FME)	1710 – 1880 MHz	0 dBd	1/2 λ	110 mm	14 218
PT1800 1/2 (SMA)	1710 – 1880 MHz	0 dBd	1/2 λ	100 mm	14 222
PT1900 1/2 (FME)	1850 – 1990 MHz	0 dBd	1/2 λ	110 mm	14 225
PT1900 1/2 (SMA)	1850 – 1990 MHz	0 dBd	1/2 λ	100 mm	14 227
PT-UMTS 1/2 (FME)	1920 – 2170 MHz	0 dBd	1/2 λ	110 mm	14 706
PT-UMTS 1/2 (SMA)	1920 – 2170 MHz	0 dBd	1/2 λ	100 mm	14 708
PT2400 1/2 (FME)	2310 – 2485 MHz	0 dBd	1/2 λ	110 mm	14 207
PT2400 1/2 (SMA)	2310 – 2485 MHz	0 dBd	1/2 λ	100 mm	14 205
PT820 1/2 (FME)	824-894 / 1710-2170 MHz	0 dBd	1/2 λ	170 mm	14 424
PT820 1/2 (SMA)	824-894 / 1710-2170 MHz	0 dBd	1/2 λ	160 mm	14 425
PT920 1/2 (FME)	880 - 960 / 1710 – 2170 MHz	0 dBd	1/2 λ	170 mm	14 420
PT920 1/2 (SMA)	880 - 960 / 1710 – 2170 MHz	0 dBd	1/2 λ	160 mm	14 421
PT800/1900 1/2 (FME)	824 - 894 / 1850 – 1990 MHz	0 dBd	1/2 λ	170 mm	14 230
PT800/1900 1/2 (SMA)	824 - 894 / 1850 – 1990 MHz	0 dBd	1/2 λ	160 mm	14 231
BLADE one	824 - 960 / 1710 – 2170 MHz	0 dBd	1/2 λ	157 mm	14 821

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PT390 1/2 (FME)	PT869 1/2 (FME)	PT1800 1/2 (FME)	PT1800 1/2 (SMA)	PT820 1/2 (FME)	PT820 1/2 (SMA)	BLADE one
PT420 1/2 (FME)	PT900 1/2 (FME)	PT1900 1/2 (FME)	PT1900 1/2 (SMA)	PT920 1/2 (FME)	PT920 1/2 (SMA)	
PT435 1/2 (FME)		PT-UMTS 1/2 (FME)	PT-UMTS 1/2 (SMA)	PT800/1900	PT800/1900	
PT450 1/2 (FME)		PT2400 1/2 (FME)	PT2400 1/2 (SMA)	(FME)	(SMA)	

ADAPTERS



BNC-male FME-male
A15 074 IP



TNC-male FME-male
A15 075 IP



UHF-male FME-male
A15 078 IP



N-male FME-male
A15 079 IP



SMA-male FME-male
A15 130 IP



SCAN Antenna is a long- established company and has many designs for customers.

We are a technology-focused company. Growth has come from our reputation for supplying quality products, and we provide effective and well documented manufacturing and quality control. We have modern Head Quarters and laboratories with the most advanced design, simulation, test & measurement tools.

SCAN Antenna supply for heavy duty use when connectivity is vital and truly matters.

*More than a million marine antennas have been produced at our factory.
That product line has primarily been under private label.*

