

Intellian

Intellian

Intellian Flat Panel – Order Guide

Jan 2025

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Contact Information

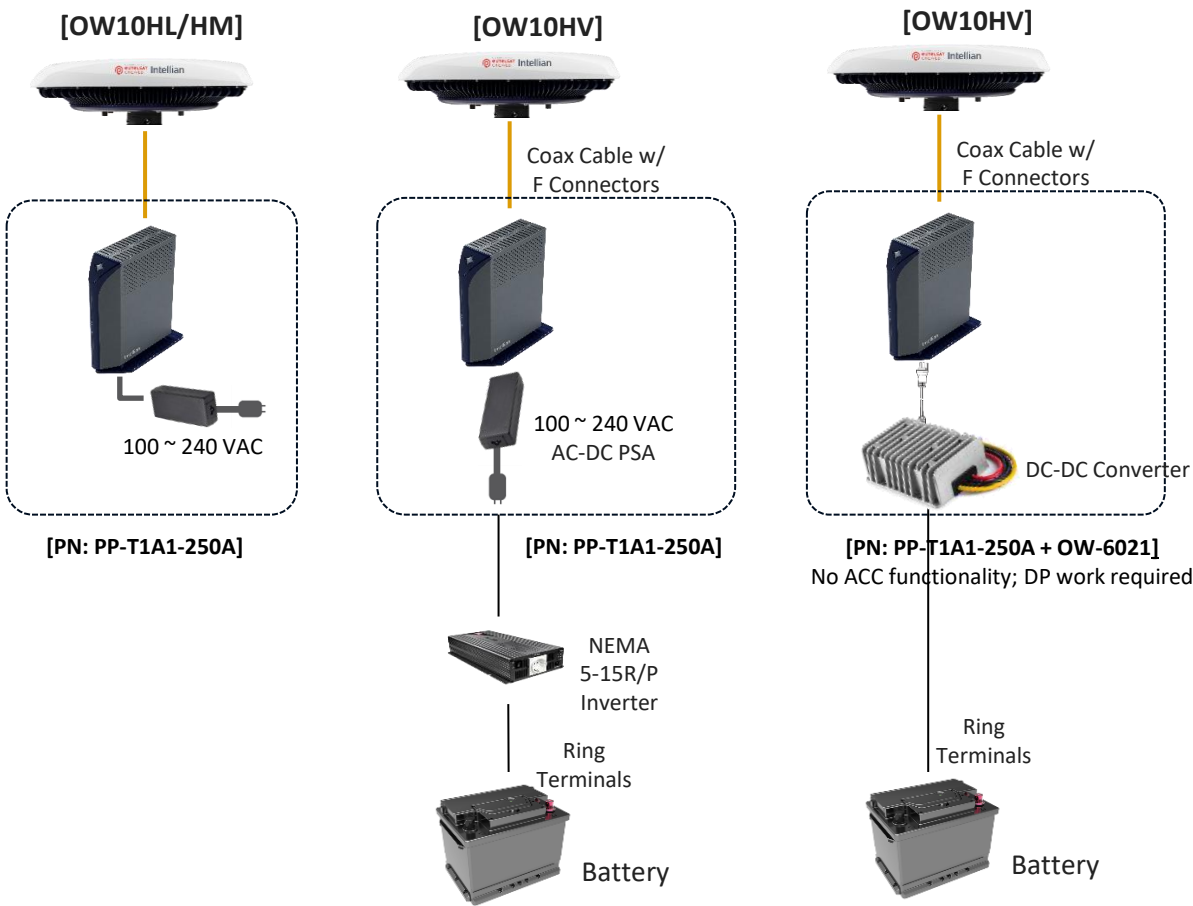
◆ Order to: Intellian Account Manager

◆ Contact for the P.O

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CNX-WIFI

System Configuration



Specification

CNX-WIFI	Desktop, wall mount included
Dimensions	21 cm x 17 cm x 8 cm
Weight	0.6 kg
Operating Temp	0° to +40° C
Ingress	IP44
Data Interface	Embedded WiFi-6 Access Point (user enabled/disabled) 4-port GigE RJ45
Power Input	Universal (100-240V) AC Power Supply Adapter 250W & 450W options

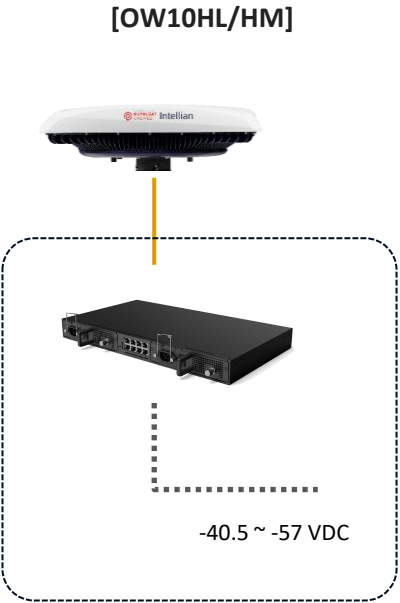


CNX-Rack

■ System Configuration



PN: OP-T2C0
(CNX-Rack AC)



PN: OP-T2B0
(CNX-Rack DC)

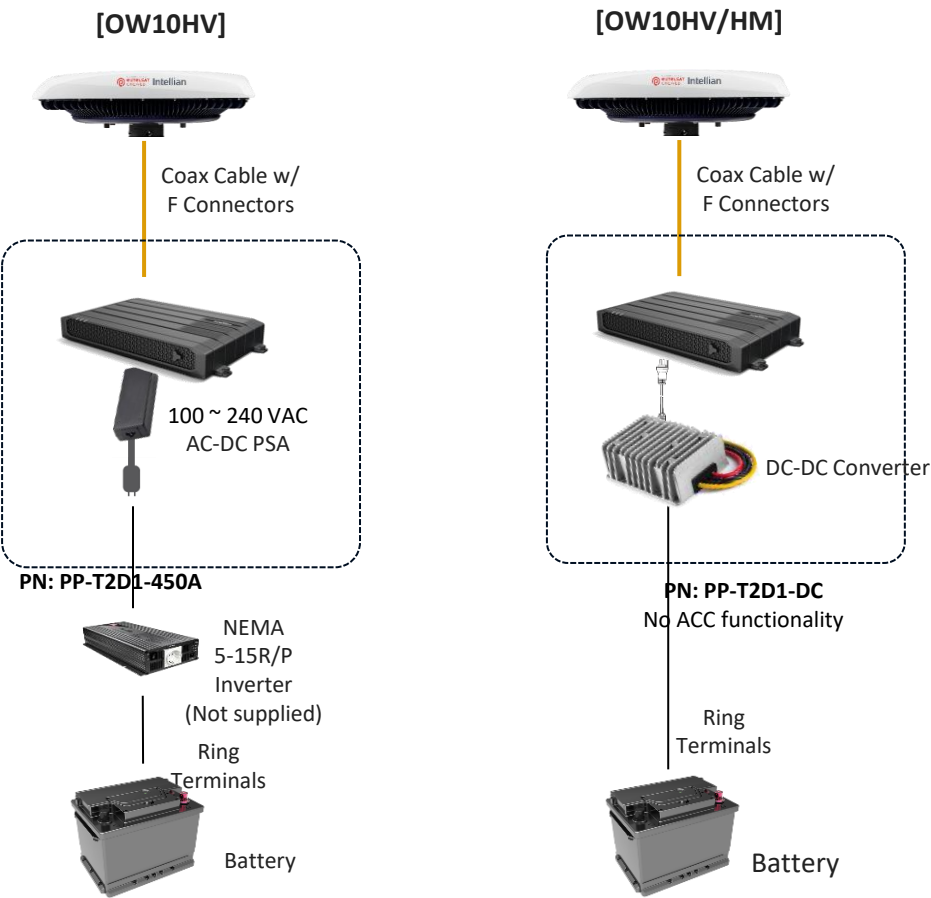
■ Specification

CNX-Rack	19 in. Rack mount
Dimensions	44.2cm x 25cm x 4.4cm
Weight	6.3kg
Operating Temp	-25° to +55° C
Ingress	IP31
Data Interfaces	8-port GigE RJ45 1x USB (Type-A)
Power Modules	Dual 450W PDM AC: 110V- 200VAC DC: -48VDC
Interface	+56VDC, F-Type conn (one per power module)



CNX-Mobility

■ System Configuration



■ Specification

CNX-Mobility	Desktop, 19 in. Rack mount (optional)
Dimensions	30 cm x 20 cm x 4 cm
Weight	1.5kg
Operating Temp	-25° to +55° C
Ingress	IP56
Data Interface	Embedded WiFi-6 Access Point (user enabled/disabled) 4-port GigE RJ45 1x NMEA0183, 1x NMEA2000
PSA	12 – 24 VDC Power (250W) PSA Universal AC Power (100 – 240VAC, 450W) PSA

**Available from Feb. 2025*



What's in the box – Land Fixed

Compact Flat Panel Antenna



825 x 565 x 310 (W x D x H, mm), 16kg



5m Cable (RG6) – Only for test purpose



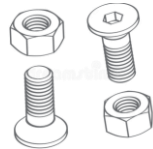
Quick Installation Guide



Ground Cable



RF Hazard Sticker

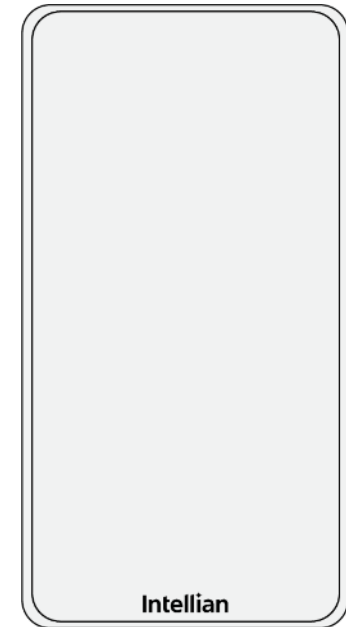


Bolt Kit



Adjustable Mount Adapter
(Land Fixed only)

Enterprise Flat Panel Antenna



1096 x 634 x 310 (W x D x H, mm), 23kg

What's in the box – Maritime

Compact Flat Panel Antenna



825 x 565 x 310 (W x D x H, mm), 16kg



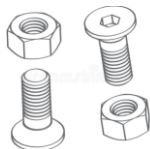
5m Cable (RG6) – Only for test purpose



Quick Installation Guide



RF Hazard Sticker



Bolt Kit

Enterprise Flat Panel Antenna



1096 x 634 x 310 (W x D x H, mm), 23kg

What's in the box – Land Mobile

Compact Flat Panel Antenna



825 x 565 x 310 (W x D x H, mm), 16kg



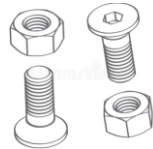
5m Cable (RG6) – Only for test purpose



Quick Installation Guide

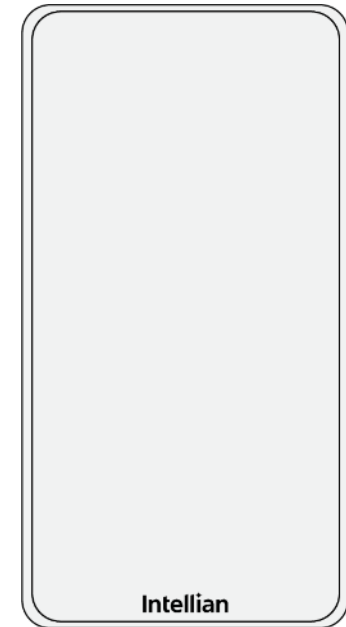


RF Hazard Sticker



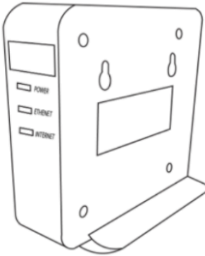
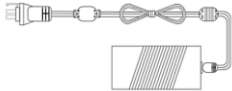
Bolt Kit

Enterprise Flat Panel Antenna

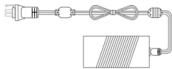
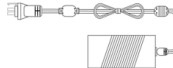
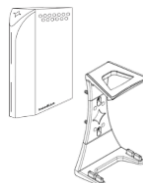
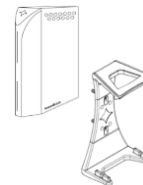


1096 x 634 x 310 (W x D x H, mm), 23kg

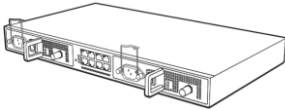
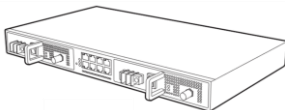
What’s in the box – CNX-BB Bundle (only for OW10Hx)

Bundle Code	Description	Content	Remark
PP-T1A0-250A	CNX-BB with 250W AC-DC PSA	 CNX-BB (PP-T1A0)  250W AC-DC PSA  Quick Installation Guide  1m Ethernet Cable  NA Power Cable  EU Power Cable	OW10HL, OW10HV

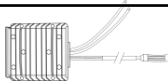
What's in the box – CNX-WIFI Bundle

Part No.	Description	Content			Remark
PP-T1A1-250A	CNX-Wifi with 250W AC-DC PSA	 CNX-WIFI (PP-T1A1)	 250W AC-DC PSA  Quick Installation Guide	 1m Ethernet Cable  NA Power Cable  EU Power Cable	OW10HL, OW10HV, OW10HM
PP-T1A1-450A	CNX-Wifi with 450W AC-DC PSA	 CNX-WIFI (PP-T1A1)	 450W AC-DC PSA  Quick Installation Guide	 1m Ethernet Cable  NA Power Cable  EU Power Cable	OW11FL, OW11FV, OW11FM
PP-T1A1-DC	CNX-Wifi with 480W DC-DC PSA (No ACC functionality)	 CNX-WIFI (PP-T1A1)	 480W DC-DC Converter  Quick Installation Guide	 1m Ethernet Cable  NA Power Cable  EU Power Cable	OW10HL, OW10HV OW11FL, OW11FV
PP-T1A1-DCA	CNX-Wifi with 560W DC-DC PSA (ACC functionality)	 CNX-WIFI (PP-T1A1)	 560W DC-DC Converter w/ Cables  Quick Installation Guide	 1m Ethernet Cable  NA Power Cable  EU Power Cable	OW10HL, OW10HV OW11FL, OW11FV

What's in the box – CNX-Rack

Part No.	Description	Content	Remark
OP-T2C0	CNX-Rack AC	 CNX-Rack AC  Wi-Fi Dongle  1m Ethernet Cable  Rack Mounting Bracket, Screws  Quick Installation Guide  NA Power Cable  EU Power Cable	OW10HL, OW10HV, OW10HM OW11FL, OW11FV, OW11FM
OP-T2B0	CNX-Rack DC	 CNX-Rack DC  Wi-Fi Dongle  1m Ethernet Cable  Rack Mounting Bracket, Screws  Quick Installation Guide	OW10HL, OW10HV, OW10HM OW11FL, OW11FV, OW11FM

What's in the box – CNX-Mobility Bundle

Part No.	Description	Content	Remark
PP-T2D1-450A	CNX-Mobility with 450W AC-DC PSA	      250W AC-DC PSA Quick Installation Guide 1m Ethernet Cable NA Power Cable EU Power Cable	OW10HL, OW10HV, OW10HM OW11FL, OW11FV, OW11FM
PP-T2D1-DC	CNX-Mobility with 480W DC-DC PSA (No ACC functionality)	      480W DC-DC Converter Quick Installation Guide 1m Ethernet Cable NA Power Cable EU Power Cable	OW10HV, OW11FV
PP-T2D1-DCA	CNX-Mobility with 560W DC-DC PSA (ACC functionality)	      560W DC-DC Converter w/ Cables Quick Installation Guide 1m Ethernet Cable NA Power Cable EU Power Cable	OW10HV, OW11FV
OW-6026	19" Rack Mounting Kit for CNX-Mobility	 19" Rack Mounting Kit for CNX-Mobility	Additional orders required for 19" Rack mounting

Land Fixed - User Terminal Combination (OW10HL)

<Antenna>

Product	Part Number
OW10HL	PS-OW10HF

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<CNX>

Product	Part Number
CNX-Wifi w/ 250W AC/DC PSA	PP-T1A1-250A
CNX-Wifi w/ 480W DC/DC PSA w/o ACC Feature	PP-T1A1-DC
CNX-Wifi w/ 560W DC/DC PSA w/ ACC Feature	PP-T1A1-DCA
CNX-BB w/ 250W AC/DC PSA	PP-T1A0-250A
CNX-Mobility w/ 450W AC/DC PSA	PP-T2D1-450A
CNX-Mobility w/ 480W DC/DC PSA w/o ACC Feature	PP-T2D1-DC
CNX-Mobility w/ 560W DC/DC PSA w/ ACC Feature	PP-T2D1-DCA
CNX-Rack AC	OP-T2C0
CNX-Rack DC	OP-T2B0

Land Fixed - User Terminal Combination (OW11FL)

<Antenna>

Product	Part Number
OW11FL	PS-OW11FFG

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<CNX>

Product	Part Number
CNX-Wifi w/ 450W AC/DC PSA	PP-T1A1-450A
CNX-Wifi w/ 480W DC/DC PSA w/o ACC Feature	PP-T1A1-DC
CNX-Wifi w/ 560W DC/DC PSA w/ ACC Feature	PP-T1A1-DCA
CNX-Mobility w/ 450W AC/DC PSA	PP-T2D1-450A
CNX-Mobility w/ 480W DC/DC PSA w/o ACC Feature	PP-T2D1-DC
CNX-Mobility w/ 560W DC/DC PSA w/ ACC Feature	PP-T2D1-DCA
CNX-Rack AC	OP-T2C0
CNX-Rack DC	OP-T2B0

Land Mobile - User Terminal Combination (OW10HV)

<Antenna>

Product	Part Number
OW10HV	MS-OW10HF

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<CNX>

Product	Part Number
CNX-Wifi w/ 250W AC/DC PSA	PP-T1A1-250A
CNX-Wifi w/ 480W DC/DC PSA w/o ACC Feature	PP-T1A1-DC
CNX-Wifi w/ 560W DC/DC PSA w/ ACC Feature	PP-T1A1-DCA
CNX-BB w/ 250W AC/DC PSA	PP-T1A0-250A
CNX-Mobility w/ 450W AC/DC PSA	PP-T2D1-450A
CNX-Mobility w/ 480W DC/DC PSA w/o ACC Feature	PP-T2D1-DC
CNX-Mobility w/ 560W DC/DC PSA w/ ACC Feature	PP-T2D1-DCA
CNX-Rack AC	OP-T2C0
CNX-Rack DC	OP-T2B0

Land Mobile - User Terminal Combination (OW11FV)

<Antenna>

Product	Part Number
OW11FV	MS-OW11FFG

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<CNX>

Product	Part Number
CNX-Wifi w/ 450W AC/DC PSA	PP-T1A1-450A
CNX-Wifi w/ 480W DC/DC PSA w/o ACC Feature	PP-T1A1-DC
CNX-Wifi w/ 560W DC/DC PSA w/ ACC Feature	PP-T1A1-DCA
CNX-Mobility w/ 450W AC/DC PSA	PP-T2D1-450A
CNX-Mobility w/ 480W DC/DC PSA w/o ACC Feature	PP-T2D1-DC
CNX-Mobility w/ 560W DC/DC PSA w/ ACC Feature	PP-T2D1-DCA
CNX-Rack AC	OP-T2C0
CNX-Rack DC	OP-T2B0

Maritime- User Terminal Combination (OW10HM)

<Antenna>

<CNX>

Product	Part Number
OW10HM	OS-OW10HF

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Product	Part Number
CNX-Wifi w/ 250W AC/DC PSA	PP-T1A1-250A
CNX-BB w/ 250W AC/DC PSA	PP-T1A0-250A
CNX-Mobility w/ 450W AC/DC PSA	PP-T2D1-450A
CNX-Rack AC	OP-T2C0

Maritime- User Terminal Combination (OW11FM)

<Antenna>

<CNX>

Product	Part Number
OW11FM	OS-OW11FFG

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Product	Part Number
CNX-Wifi w/ 450W AC/DC PSA	PP-T1A1-450A
CNX-Mobility w/ 450W AC/DC PSA	PP-T2D1-450A
CNX-Rack AC	OP-T2C0

480W DC-DC (12-24V) Converter Kit (OW-6021)

◆ Power specifications:

- 11 – 35VDC input
- 48VDC output
- 10A output current

◆ Product specifications

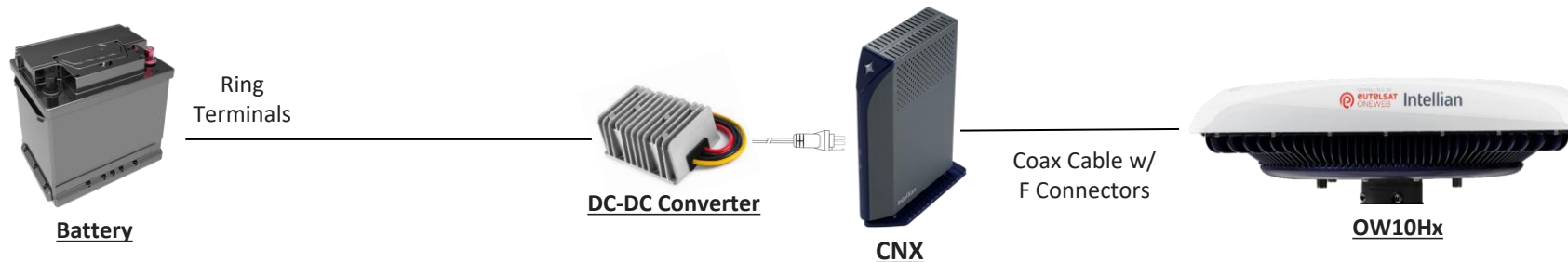
- IP68
- 100 x 80 x 40 mm, 0.54kg
- -40 to +85°C

◆ Product certifications

- CE, RoHs

◆ Custom cable with molex input to CNX-BB &/or CNX-WIFI

◆ Pigtail cable for battery connection



DC-DC Converter / Power Supply Adapter

Part No.	Description	Package
OW-6021	12V-36V DC/DC Converter (480W, Daygreen) – Land Mobile DC-DC Converter(not including ACC enable feature)	250(W)*166(L)*120(H), 2.5kg

CNX Portfolio

Part No.	Description	Package
PP-T1A1-250A	CNX-WIFI w/ Universal AC Power Supply Adapter (250W)	569(W)*429(L)*310(H), 5.0kg
PP-T1A1-450A	CNX-WIFI w/ Universal AC Power Supply Adapter (450W)	569(W)*429(L)*310(H), 5.0kg
PP-T1A1-DC	CNX-WIFI w/ Universal AC Power Supply Adapter (480W) w/o ACC Feature	569(W)*429(L)*310(H), 5.0kg
PP-T1A1-DCA	CNX-WIFI w/ Universal AC Power Supply Adapter (560W) w/ ACC Feature	569(W)*429(L)*310(H), 5.0kg
PP-T1A0-250A	CNX-BB w/ Universal AC Power Supply Adapter (250W)	569(W)*429(L)*310(H), 5.0kg
PP-T2D1-450A	CNX-Mobility w_AC-DC PSA (450W)	510(W)*400(L)*150(H), 8.0kg
PP-T2D1-DC	CNX-Mobility w_DC-DC PSA (480W) w/o ACC	510(W)*400(L)*150(H), 8.0kg
PP-T2D1-DCA	CNX-Mobility w_DC-DC PSA (560W) w/ ACC	510(W)*400(L)*150(H), 8.0kg
OP-T2C0	CNX-Rack (450W Dual AC PDM)	576(W)*381(L)*140(H), 10.0kg
OP-T2B0	CNX-Rack (450W Dual -48VDC PDM)	576(W)*381(L)*140(H), 10.0kg

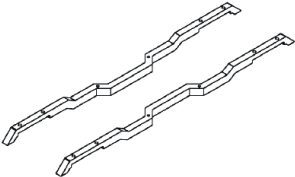
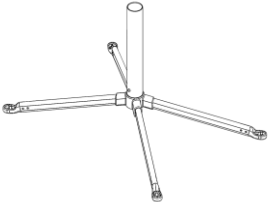
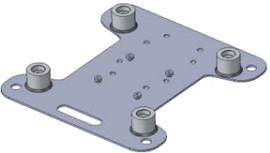
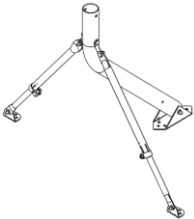
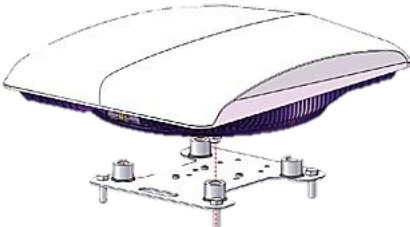
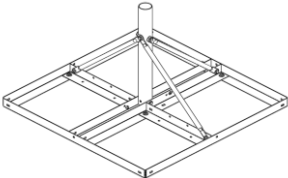
Supported Cables – OW10HL/OW10HM/OW10HV

CNX	Power Supply	Cable Type	Manufacturer Part Number	Max Length [m]
CNX-BB CNX-WIFI CNX-Mobility	450W / 250W AC-DC Power Supply Adapter (56 VDC output)	RG-6	BELDEN 1694A-2	75
		RG-11	BELDEN 7731A&7731RW	190
			BELDEN 9292	140
CNX-Rack-AC CNX-Rack-DC	Embedded PSA (56 VDC output)		BELDEN 1525A	45
			Amphenol T11TSFx77-LTV	45
		LMR-400	LMR-400-FR	250
CNX-Mobility	480W DC-DC Converter (48 VDC output)	RG-6	BELDEN 1694A-2	30
		RG-11	BELDEN 7731A&7731RW	75
			BELDEN 9292	55
		LMR-400	LMR-400-FR	100
	560W DC-DC Converter (48 VDC output)	RG-6	BELDEN 1694A-2	30
		RG-11	BELDEN 7731A&7731RW	75
			BELDEN 9292	55
		LMR-400	LMR-400-FR	100

Supported Cables – OW11FL/OW11FM/OW11FV

CNX	Power Supply	Cable Type	Manufacturer Part Number	Max Length [m]
CNX-WIFI CNX-Mobility	450W AC-DC Power Supply Adapter (56 VDC output)	RG-6	BELDEN 1694A-2	30
		RG-11	BELDEN 7731A&7731RW	85
CNX-Rack-AC CNX-Rack-DC	Embedded PSA (56 VDC output)		BELDEN 9292	60
		LMR-400	LMR-400-FR*	110
CNX-Mobility	480W DC-DC Converter (48 VDC output)	RG-11	BELDEN 7731A&7731RW	30
		LMR-400	LMR-400-FR*	40
	560W DC-DC Converter (48 VDC output)	RG-11	BELDEN 7731A&7731RW	30
		LMR-400	LMR-400-FR*	40

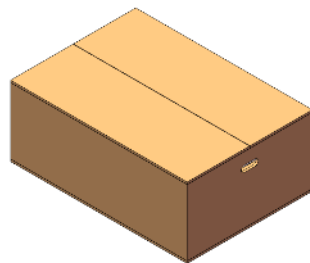
MOUNTING OPTIONS

Land Fixed	Maritime	Land Mobile
 OW-6017 Adjustable Mount Adapter Included in OW10HL as standard Compatible with all 60mm pole	 OW-6017 Adjustable Mount Adapter Compatible with all 60mm pole * Optional	 OW-6018 Land Mobile Mount Adapter
 OW-6011 Quadpod Mount	 OW-6019_A Maritime Mount Plate Mandatory for installation	 OW-6027 Land Mobile Mount Adapter for FV
 OW-6012 Tri-Mast Mount	 Illustration of Installation	 Illustration of Installation
 OW-NPM5-1074-RM Non-Penetrating Mount		

Mounting Kits

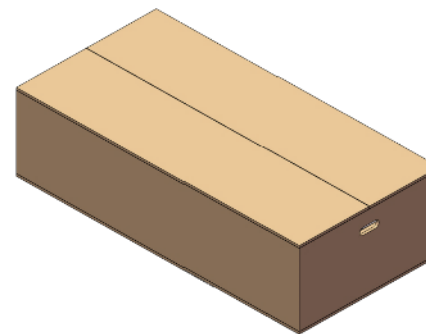
Part No.	Description	Package
OW-6011	Standard Quad-pod Mounting Kit for Land fixed UT	215(W)*525(L)*135(H)mm, 3.65kgs (single packing)
OW-NPM5-1074-RM	Non-Penetrating Mounting Kit for Land fixed UT	930(W)*930(L)*85(H)mm, 14.42kgs (single packing)
OW-6012	Tri-Mast Mounting Kit (60mm) for Land fixed UT	240(W)*950(L)*118(H)mm, 10.5kgs (2 in 1 packing)
OW-6017	Mount Adapter - Adjustable	250(W)*166(L)*120(h)mm, 1.0kg
OW-6018	Mount Adapter - Land Mobile for OW10HV	424(W)*984(L)*207(H)mm, 5.0kgs
OW-6027	Mount Adapter - Land Mobile for OW11FV	424(W)*984(L)*207(H)mm, 5.0kgs
OW-6019_A	Mount Plate – Maritime	460(W)*390(L)*180(H)mm, 5.0kgs
OW-6026	19" Rack Mount Kit for CNX-Mobility	527(W)*190(L)*70(H), 3.0kg

Pallet Dimensions & Weight (Antenna)



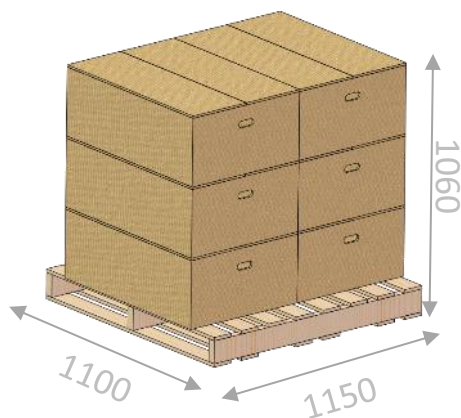
OW10Hx

825 x 565 x 310 (W x D x H, mm), 16kg

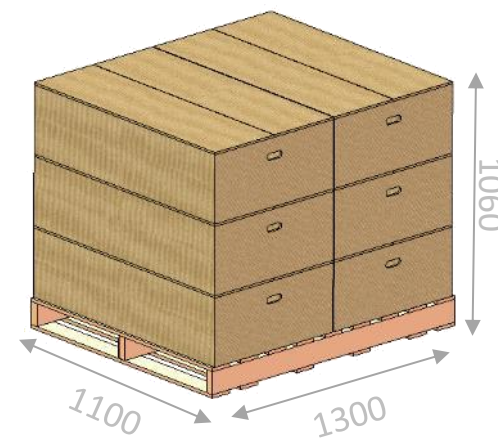


OW11Fx

1,096 x 634 x 310 (W x D x H, mm), 23kg

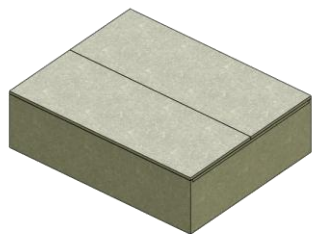


OW10Hx Packages on Pallet



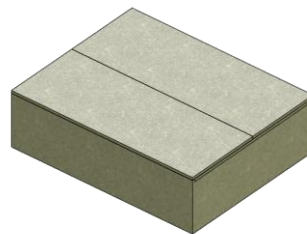
OW11Fx Packages on Pallet

Pallet Dimensions & Weight (CNX)



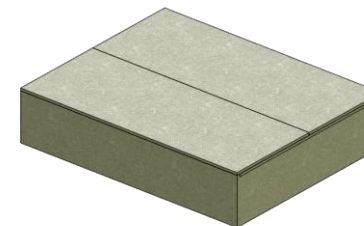
CNX-Wifi & CNX-BB

505 x 401 x 148 (W x D x H, mm), 4.75kg



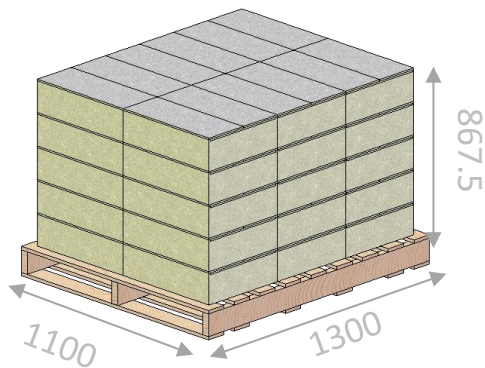
CNX-Mobility

505 x 401 x 148 (W x D x H, mm), 8kg

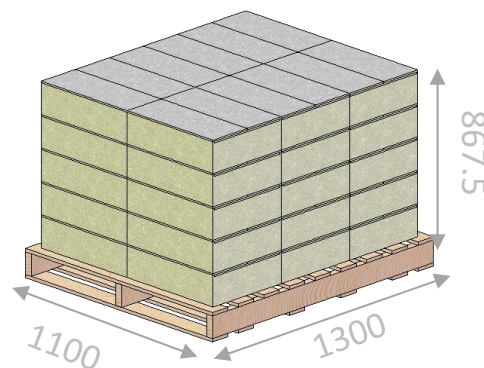


CNX-Rack

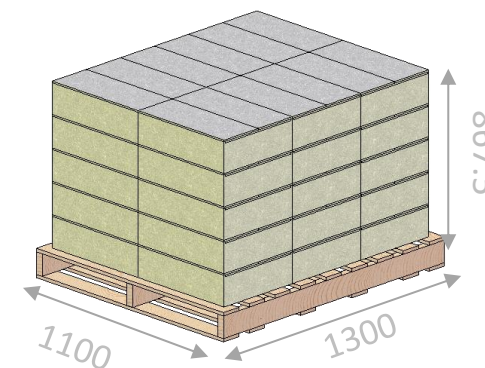
570 x 380 x 150 (W x D x H, mm), 8kg



CNX-Wifi & BB Packages on Pallet



CNX-Mobility Packages on Pallet

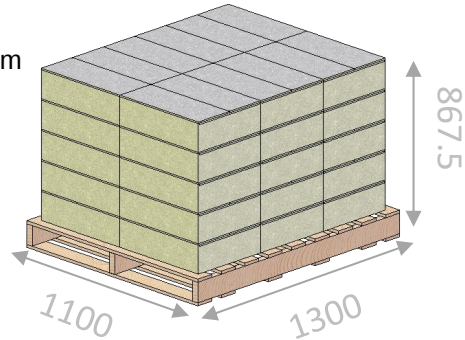
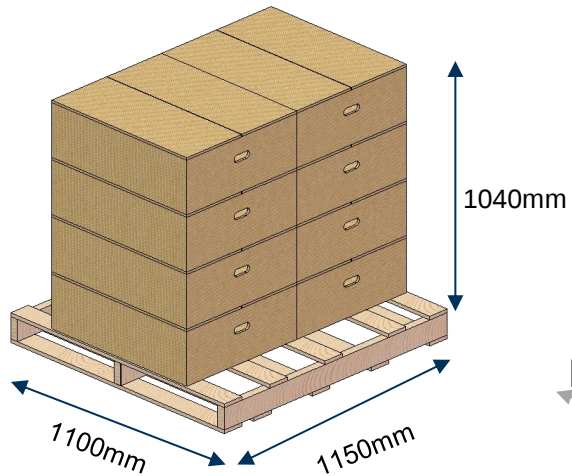


CNX-Rack Packages on Pallet



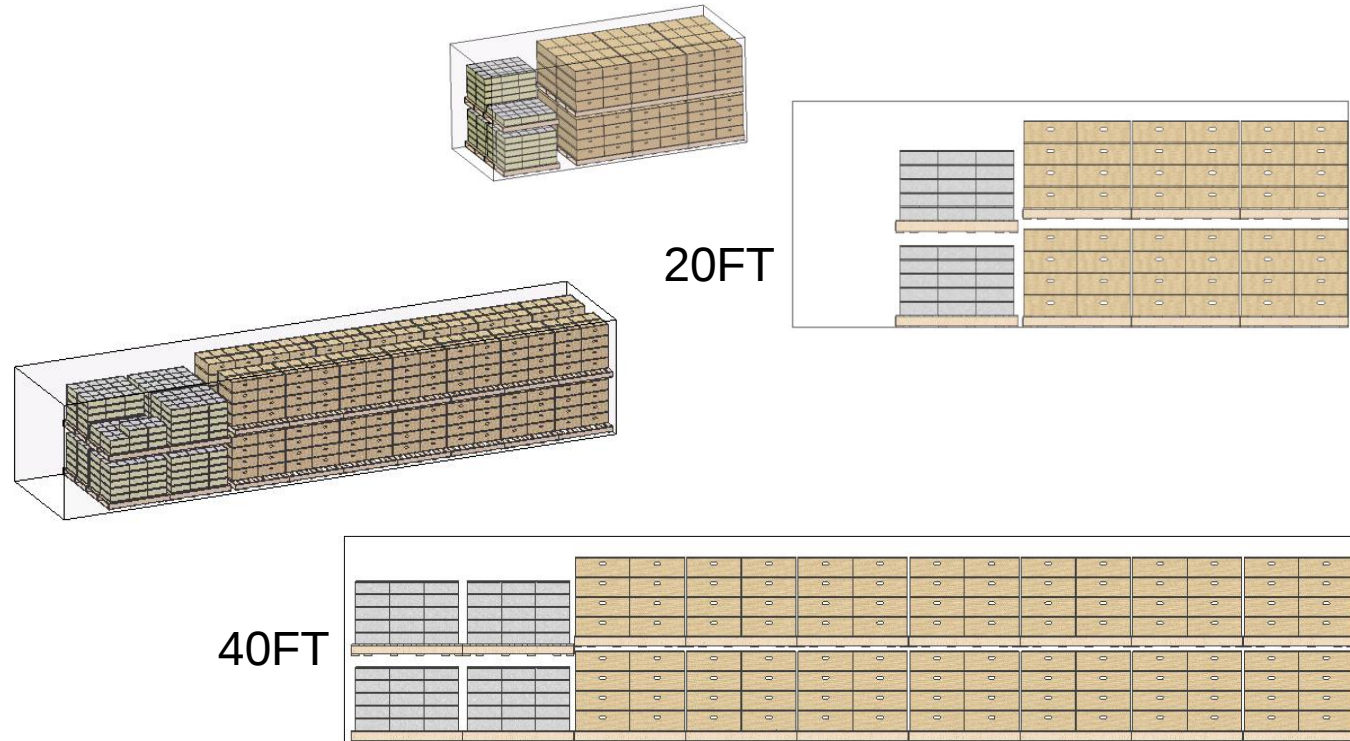
3.3 PACKAGE IN CONTAINER(OW10Hx+CNX-Wifi) /Updated w/new package size

Type	SIZE , mm (L x W x H)	Max. Load	Max. Load quantity	Free space (Gap) mm		
				L	W	H
OW10Hx+CNX Wifi / PACKAGE 20ft Container (5897x2348x2385)	OW10Hx : 1100x1150x1040 (@ 8cartons / 1 pallet)	2,254.4 kg	OW10Hx : 96 cartons / 12 pallets CNX-Wifi : 96 cartons / 4 pallets	1100	148	285
OW10Hx+CNX Wifi / PACKAGE 40ft Container (12084x2348x2385)	CNX-Wifi : 1100x1300x867.5 (@ 30cartons / 1 pallet)	5,213.6 kg	OW10Hx : 224 cartons / 28 pallets CNX-Wifi : 224 cartons / 7 pallets	1130	148	285



- * OW10Hx / PACKAGE
=16.4 kg
- Wooden Pallet
=12 kg

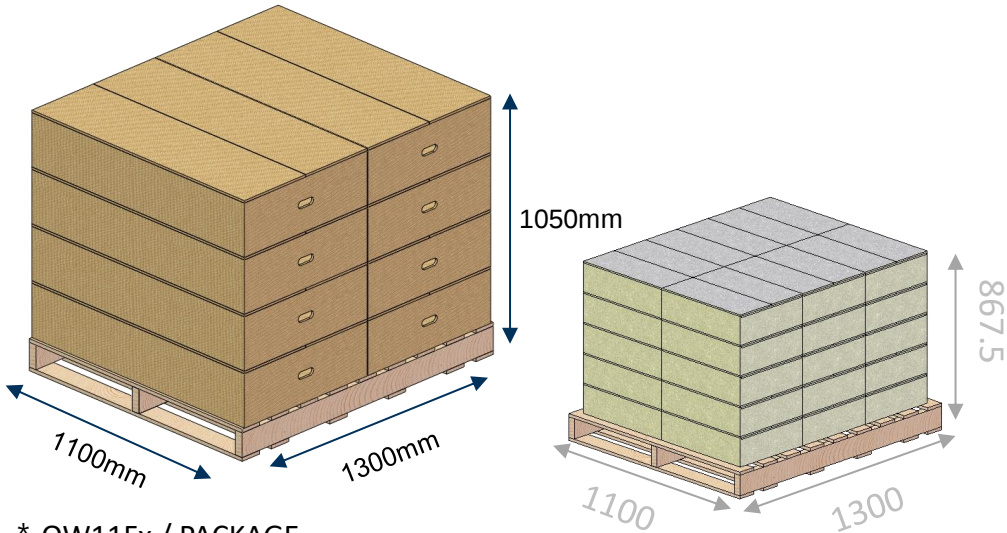
- * CNX-Wifi / PACKAGE
=4.75 kg
- * Wooden Pallet =20kg





3.4 PACKAGE IN CONTAINER(OW11Fx+CNX-Wifi) /Updated w/new package size

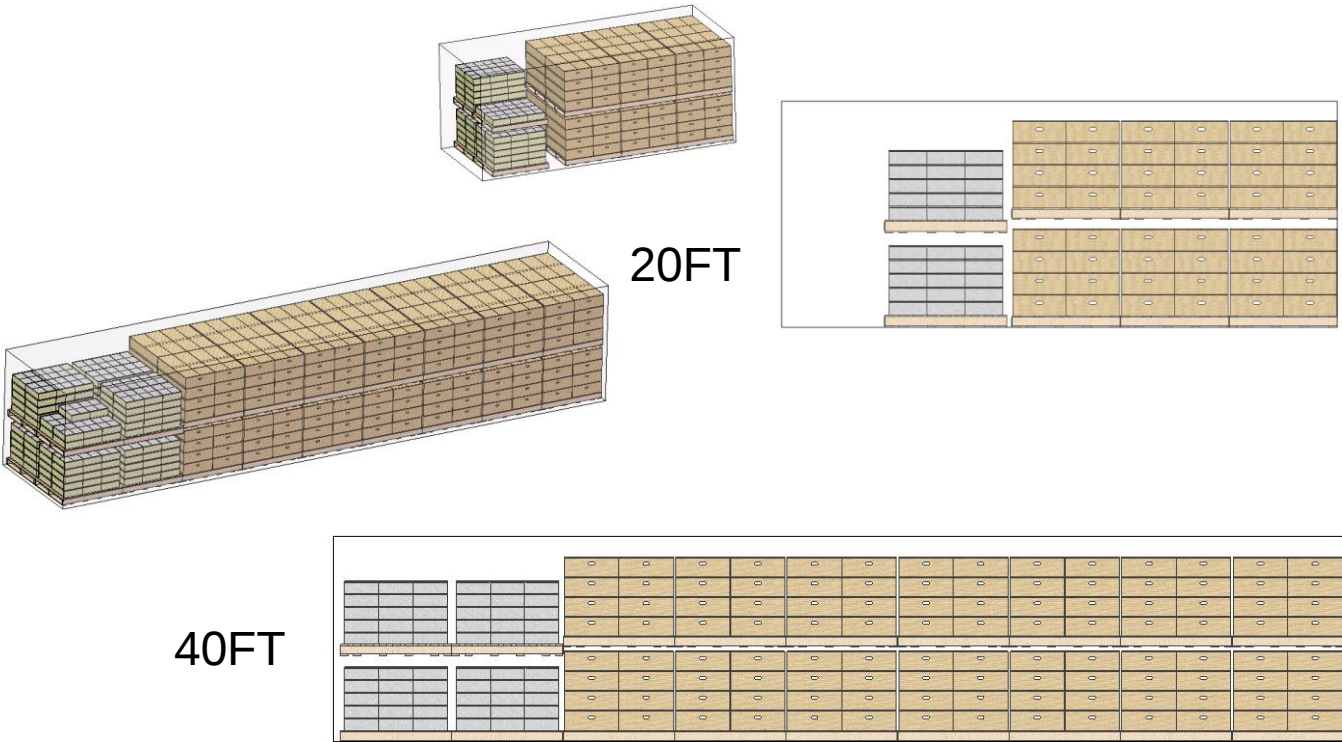
Type	SIZE , mm (L x W x H)	Max. Load	Max. Load quantity	Free space (Gap) mm		
				L	W	H
OW11Fx+CNX-Wifi / PACKAGE 20ft Container (5897x2348x2385)	OW11Fx : 1100x1300x1050 (@ 8cartons / 1 pallet)	3,435.2kg	OW11Fx : 96 cartons / 12 pallets CNX-Wifi : 96 cartons / 4 pallets	694	148	265
OW11Fx+CNX-Wifi / PACKAGE 40ft Container (12084x2348x2385)	CNX-Wifi :1100x1300x867.5 (@ 30cartons / 1 pallet)	7,988.8kg	OW11Fx : 224 cartons / 28 pallets CNX-Wifi : 224cartons / 8 pallets	81	148	265
		6,850.4kg	OW11Fx : 192 cartons / 24 pallets CNX-Wifi : 192cartons / 7 pallets	1431	148	265



* OW11Fx / PACKAGE
=27.7 kg

* CNX-Wifi / PACKAGE
=4.75 kg

* Wooden Pallet =20kg



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Thank you