





# Modules



### Service Module

Service Modules connect to the wireless operator, public safety source(s) or to a Point of Interface (POI). The Primary Hub supports up to four Service Modules. They are hot swappable units, allowing for the addition of operators/frequencies without disrupting service or system maintenance.



## **Optical Module**

Optical Modules provide a duplex fiber connection from the Primary Hub to a Secondary Hub or Remote Unit. Up to eight Optical Modules can be installed in a Primary Hub. They are hot swappable units, allowing for system maintenance or the addition of Secondary Hubs or Remotes without impacting service.



## **Transport Module**

A fiber transport link is created by inserting the Transport Module in the front of the centralized Hub chassis and in the rear of the remote Hub chassis. Up to eight Transport Modules are easily fitted into the centralized Hub unit, feeding up to eight separate remote locations.

## **Detailed Specifications**

#### **Service Module**



MAXIMUM NUMBER PER PRIMARY HUB	4	
RF INPUT POWER	-5 dBm (MIN) TO +15 dBM (MAX)	WORKING INPUT POWER
VSWR	1.5	
CONNECTIVITY	N-FEMALE	TX AND RX PER SERVICE MODULE
DIMENSIONS W / D / H (mm)	1.2" (31) x 4.8" (123) x 4.6" (116)	
WEIGHT	0.7 LBS (0.3 Kg)	UNPACKED

#### **Optical Module**



MAXIMUM NUMBER PER PRIMARY HUB	8	
OPTICAL LOSS PER LINK	UP TO 5 dBo	PRIMARY HUB TO SECONDARY HUB OR PRIMARY HUB TO REMOTE
OPTICAL TRANSMIT POWER	4.5 mW (MIN) TO -10 mW (MAX)	AUTO-CONFIGURED BY SOFTWARE
OPTICAL RECEIVE POWER	10 mW (MAX)	
RETURN LOSS	BETTER THAN 45 dB	FOR ALL FIBER CONNECTIONS IN THE SYSTEM
CONNECTIVITY	SC/APC DUPLEX	SC/APC CONNECTIONS REQUIRED FOR OPTIMUM PERFORMANCE
DIMENSIONS W / D / H (mm)	1.2" (31) x 4.6" (117) x 4.6" (116)	
WEIGHT	0.6 LBS (0.28 Kg)	UNPACKED





#### **Transport Module**



MAXIMUM NUMBER PER PRIMARY HUB	8	
OPTICAL LOSS PER LINK	UP TO 5 dBo	PRIMARY HUB TO SECONDARY HUB OR PRIMARY HUB TO REMOTE
OPTICAL TRANSMIT POWER	4.5 mW (MIN) TO -10 mW (MAX)	AUTO-CONFIGURED BY SOFTWARE
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#### **Approvals & Listings**

EUROPE	CE MARKED FOR RADIO EQUIPMENT DIRECTIVE 2014/53/EU AND ROHS DIRECTIVES 2011/65/EC	
USA FCC	FCC CERTIFIED	
CANADA	INDUSTRY CANADA CERTIFIED	
SAFETY	IEC 60950-1; EN 60950-1; UL60950-1, UL LISTED-E486578	
LASER SAFETY	IEC 60825-1:2007	

#### **Ordering Information**

LOW BAND	150 MHZ TO 2.7 GHZ
305-0002	OPTICAL MODULE
305-0003	SERVICE MODULE
305-0005	TRANSPORT MODULE

# Support



**US Web:** wilsonpro.com/support **US Phone:** +1 866 294 1660

UK Web: zinwave.com/contact **UK Phone:** +44 800 208 8128

OPTICAL MODULE 305-0002



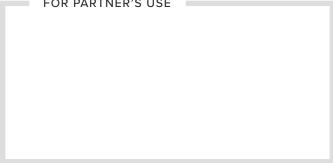
SERVICE MODULE



TRANSPORT MODULE 305-0005



FOR PARTNER'S USE



\* WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.