

# ProLink

## Directional Outdoor 5G Modem

### OVERVIEW

<b>Description</b>	Directional Outdoor Cellular Modem for FWA (Fixed Wireless Access) used for Internet access, using the technologies 4G and 5G
<b>Mounting</b>	Pole or wall
<b>Display</b>	Smart front display
<b>APN</b>	Auto APN
<b>MIMO</b>	4x4 Downlink, 2x2 Uplink (Select 5G Bands Only)
<b>SIM Card</b>	2 inputs for nano SIM card (4FF)

### EASY INSTALL

<b>Blind Search</b>	Shows the RF strength of each carrier in the direction it is aimed – even without a SIM card installed
<b>Pointer</b>	Shows a percentage representing the RF signal strength on the display. Useful for finding the best location and direction for ProLink. Audible beeps provide same information – with faster beeps meaning stronger signal

**SKU:** MOD-5G-DR-X62

**Developed by:**  
Waveform, a business of Staircase 3  
3411 W Lake Center Dr,  
Santa Ana, CA 92704

**MFG PART #:** EPRL39

**Manufactured by:**  
Elsys Equipamentos Eletrônicos Ltda.  
Avenida Torquato Tapajós, 4780  
Colônia Santo Antônio - Manaus - AM  
CEP: 69093-018  
Industria Brasileira

## FREQUENCY BANDS

<b>5G SA</b>	n2 [1900MHz]	n5 [850MHz]	n14 [700MHz]
	n30 [2300MHz]	n38 [2600MHz]	n48 [3600MHz]
	n66 [1700MHz]	n77 [3700MHz]	
	DL 4x4 MIMO NR (bands n2/n5/n14/n30/n48/n77)		
	UL 2x2 MIMO (bands n38/n77)		
<b>5G nSA</b>	n2 [1900MHz]	n5 [850MHz]	n25 [1900MHz]
	n30 [2300MHz]	n41 [2600MHz]	n66 [1700MHz]
	n71 [600MHz]	n77 [3700MHz]	
	DL 4x4 MIMO NR (bands n2/n5/n30/n41/n71/n77)		
	UL 2x2 MIMO (bands n41/n77)		
<b>4G LTE FDD</b>	B2 [1900MHz]	B4 [1700MHz]	B5 [850MHz]
	B12 [700MHz]	B13 [700MHz]	B17 [700MHz]
	B25 [1900MHz]	B26 [850MHz]	B30 [2300MHz]
	B66 [1700MHz]	B71 [600MHz]	
	Bandwidths: 1.4/3/5/10/15/20MHz		
	DL 4x4 MIMO (bands B2/4/5/12/13/17/25/26/30/66/71)		
<b>4G LTE TDD</b>	B41 [2600MHz]	B48 [3500MHz]	
	Bandwidths: 1.4/3/5/10/15/20MHz		
	DL 4x4 MIMO (bands B41/48)		
<b>DATA RATES</b>			
<b>5G SA</b>	Downlink: 2.47 Gbps		
	Uplink: 900 Mbps		
<b>5G nSA</b>	Downlink: 3.47 Gbps		
	Uplink: 660 Mbps		
<b>4G LTE FDD</b>	Downlink: 1.6 Gbps		
	Uplink: 211 Mbps		
<b>4G LTE TDD</b>	Downlink: 1.6 Gbps		
	Uplink: 211 Mbps		

## MAXIMUM TX POWER

<b>5G</b>	5G nR Bands: +23 dBm 5G nR HPUE Bands n41/n77: +26 dBm
<b>4G</b>	LTE Bands: +23 dBm LTE HPUE Band B41: +26 dBm

## MOBILE

<b>5G NR</b>	3GPP Rel-16 NSA/SA operation, Sub-6 GHz
<b>LTE Category</b>	Downlink: CAT19 Uplink: CAT18

## HARDWARE

<b>Chipset</b>	Qualcomm SDx62 (release 16) (Snapdragon)
<b>Modules</b>	RG520N-NA (Manufacturer Quectel, technologies 5G and 4G)

## PHYSICAL INTERFACES (PORTS, LEDS AND BUTTONS)

<b>LAN Port</b>	Ethernet 2.5Gbps / 1.0 Gb / 100Mb / 10 Mb
<b>USB</b>	USB-C (Diagnostic Port)
<b>Status LEDs</b>	4G/5G; SIM 1; SIM 2; USB-C
<b>Buttons</b>	Easy Install

## OTA (OVER-THE-AIR)

<b>OTA</b>	Remote software update over cellular network (5G, 4G or 3G)
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## ENVIROMENTAL

<b>Temperature</b>	-30 to 60° C (-22 to 140° F)
<b>Protection Rating</b>	IP65

## POWER

<b>POE</b>	Passive POE (Power Over Ethernet) – IEEE 802.3af/at 2.5 Gb, mode B
<b>Voltage</b>	12-24 VDC
<b>Power Adapter</b>	24V / 1.0 Amp (100-240 VAC)
<b>Buttons</b>	Easy Install
<b>Power Consumption</b>	Peak: 18 Watts Average: 3 Watts

## MAIN INTERNAL ANTENNA 2x2

<b>Use</b>	Transmission (TX) or Reception (RX)
<b>Polarization</b>	+/- 45° Cross-Polarized
<b>Type</b>	Directional
<b>Gain</b>	617 to 960 MHz: 7.0 dBi 1710 to 1910 MHz: 7.9 dBi 1920 to 2700 MHz: 10.0 dBi (1920 MHz) 10.0 dBi (2310 MHz) 8.0 dBi (2700 MHz) 3300 to 4200 MHz: 9.0 dBi

## SECONDARY INTERNAL ANTENNA 2x2

<b>Use</b>	Reception (RX) Only
<b>Polarization</b>	Vertical
<b>Type</b>	Omni-directional with spacial diversity
<b>Gain</b>	600 to 960 MHz: 0.5 dBi 1710 to 1910 MHz: 3.1 dBi 1920 to 2700 MHz: 4.0 dBi 3300 to 4000 MHz: 4.2 dBi

## PACKAGE CONTENTS



1x ProLink



1x POE (Power Over Ethernet) Injector



1x 24 VDC/1A power supply (For POE Injector)



1x Indoor CAT6E Ethernet cable (4.6 ft | 1.4 m)



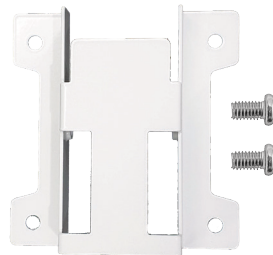
1x Indoor CAT6E Ethernet cable (50 ft | 15 m)



1x Outdoor CAT6 Ethernet cable (50 ft | 15 m)



2x Metal Clamps (For pole mounting)



1x Wall Bracket & 2x Bolts (For wall mounting)



2x Plastic Zipties (For cable management)



1x Ethernet Window Entry Cable

## DIMENSIONS AND WEIGHT

### Dimensions

(height x width x depth)

ProLink: 11.0 x 11.0 x 7.45 inch (280 x 280 x 190 mm)  
 POE Injector: 1.1 x 2.6 x 2.5 inch (29 x 65 x 63.7 mm)  
 Package: 11.5 x 15.4 x 10.1 inch (292 x 390 x 257 mm)

### Weight

ProLink: 4.18 lb (1.9 kg)  
 POE Injector: 0.10 lb (0.05 kg)  
 PACKAGE: 10.16 lb (4.61 kg)

