

Dome Pro Duo

Extra Reliability for Mobile Connectivity

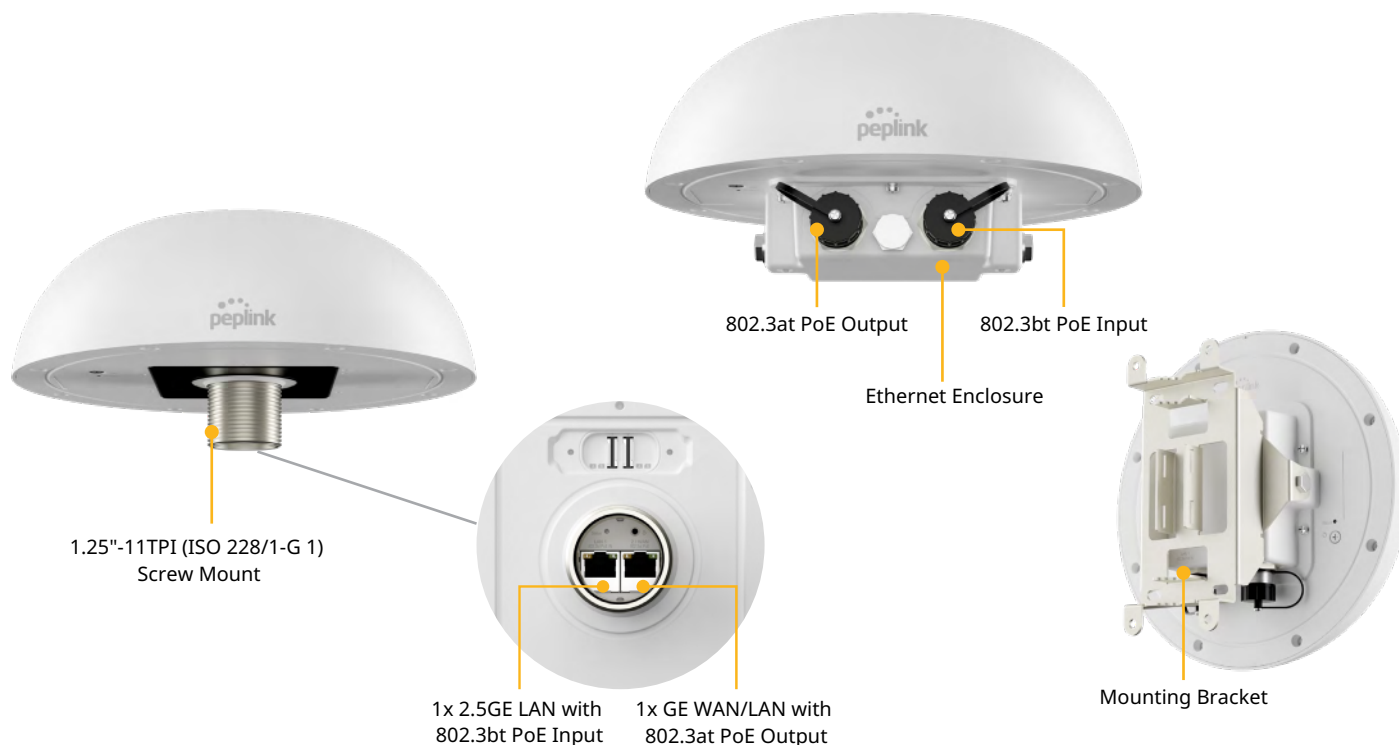


Dual
5G



TAA
COMPLIANT

Dome Pro Duo



Specifications

WAN Interface	1x 10/100/1000M Ethernet 2x 5G Modems with Redundant SIM Slots	Power Consumption	24 W (max., without PoE output)
LAN Interface	1x 10/100/1000/2500M Ethernet	Dimension	5.12 inches (radius) x 4.79 inches (height) 130 mm (radius) x 122 mm (height)
Wi-Fi Interface	Simultaneous Dual-Band (2.4GHz / 5GHz) Wi-Fi 6, 2X2 MIMO Wi-Fi WAN and/or AP	Weight	With Ethernet Enclosure: 4.19 pounds / 1.9 kg Without Ethernet Enclosure: 3.53 pounds / 1.6 kg
Number of SpeedFusion VPN Peers	2 / 5 / 10 / 20 ¹	Operating Temperature	-40°– 149°F / -40°– 65°C
Enclosure	Rugged outdoor IP67 (with Ethernet Enclosure)	Humidity	15% – 95% (non-condensing)
Recommended Users	150	Certifications	CE, RoHS EN 50124-1 Railway Application - Insulation Coordination EN 50155 Railway Application - Rolling Stock - Electronic Equipment EN 61000 Electromagnetic Compatibility
Cellular Data Rate ² (Downlink / Uplink)	5G: 3.4 Gbps / 900 Mbps CAT-20: 1.6 Gbps / 200 Mbps	Package Content	Dome Pro Duo, Ethernet Enclosure, 2x Waterproof Ethernet Connector (ACW-112), Mounting Kit Set
Antenna	8X8 Internal Cellular Antennas 2X2 Internal Wi-Fi Antennas 1x Internal GPS Antenna	SIM Options	Nano-SIM (4FF) Peplink eSIM BYO eSIM (2 profiles per modem) RemoteSIM from SIM Injector FusionSIM
Power Input	1x 802.3at PoE+ (without PoE output) / 1x 802.3bt PoE+ + (with PoE output)	Warranty	1-Year Limited Warranty
Power Output	1x 802.3at PoE+		

¹ 5 SpeedFusion VPN Peers are enabled with PrimeCare Subscription. 10 or 20 SpeedFusion VPN peers can be enabled with software license (PVN-LC-10 and PVN-LC-20).
² Maximum theoretical data rates.

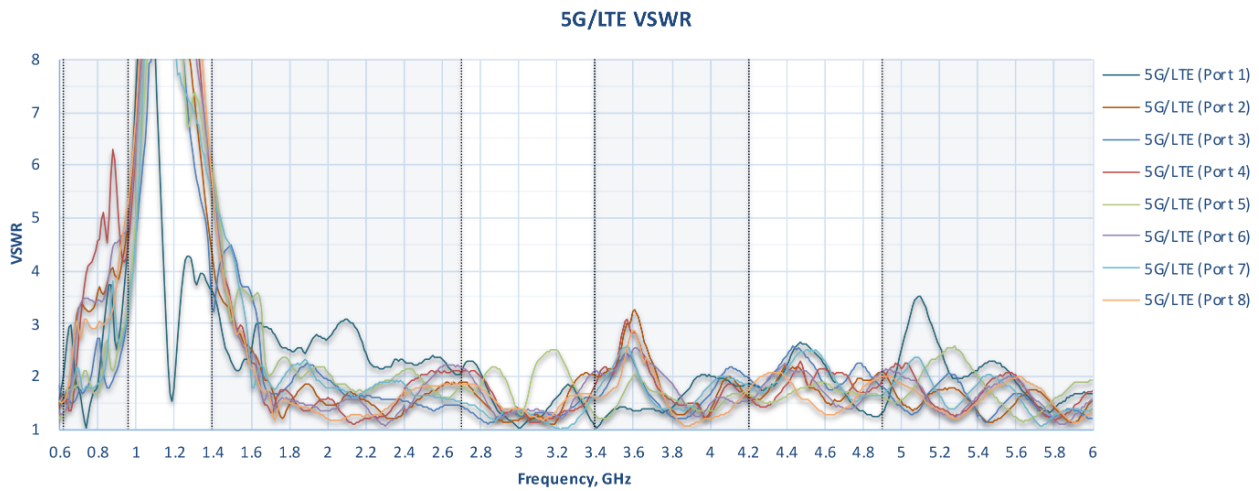
Ordering Information

Product Code	Regions	5G Bands	LTE Bands
DOM-PRO-DUO-5GN-PRM Embedded Modem(s): 2x 5G	APAC & EMEA	5G (SA & NSA) Sub 6Ghz: n1, n2, n3, n5, n7, n8, n12, n13, n14, n18, n20, n25, n26, n28, n29, n30, n38, n40, n41, n48, n66, n70, n71, n75, n76, n77, n78, n79	B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28, B29, B30, B32, B34, B38, B39, B40, B41, B42, B43, B46, B48, B66, B71

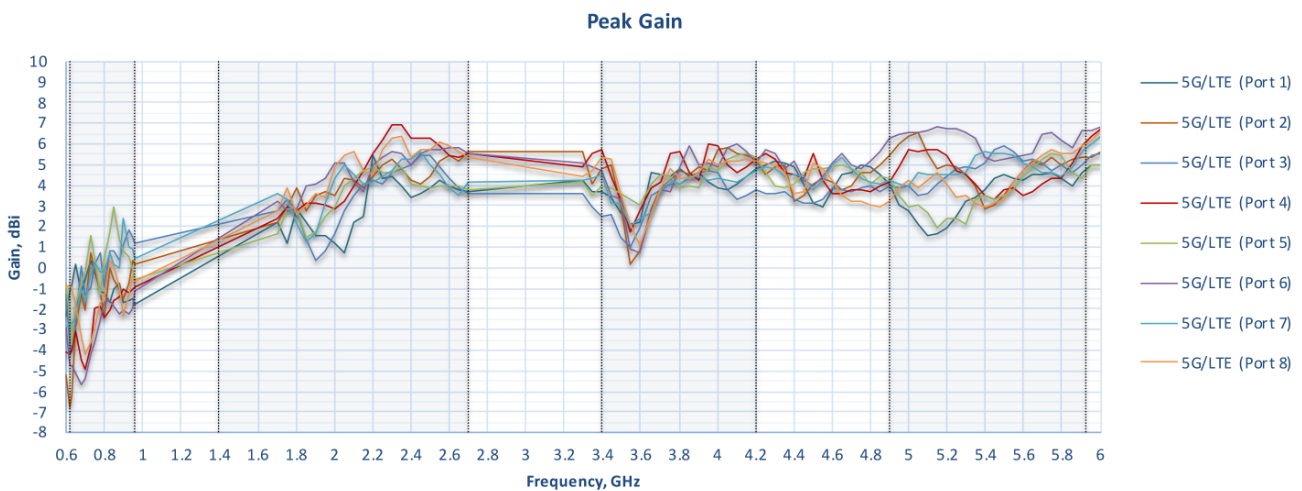
Featured Add-on

Product Code	Description
PRM-K-1Y / PCP-K-1Y	PrimeCare K / PrimeCare+ K (1-Year)
PRM-K-2Y / PCP-K-2Y	PrimeCare K / PrimeCare+ K (2-Year)
PRM-K-4Y / PCP-K-4Y	PrimeCare K / PrimeCare+ K (4-Year)

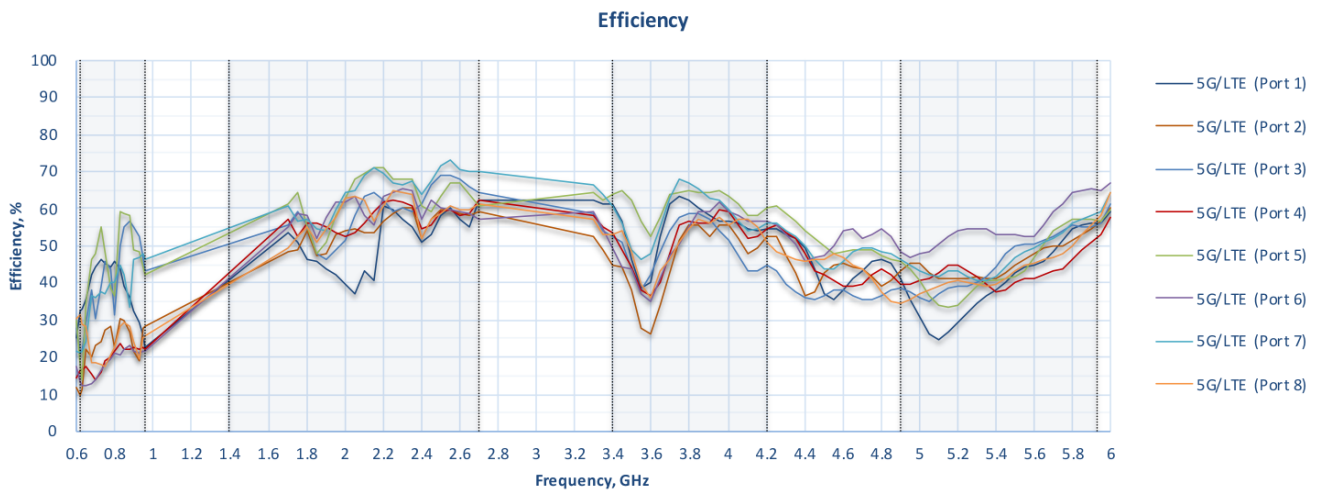
Cellular Antenna VSWR



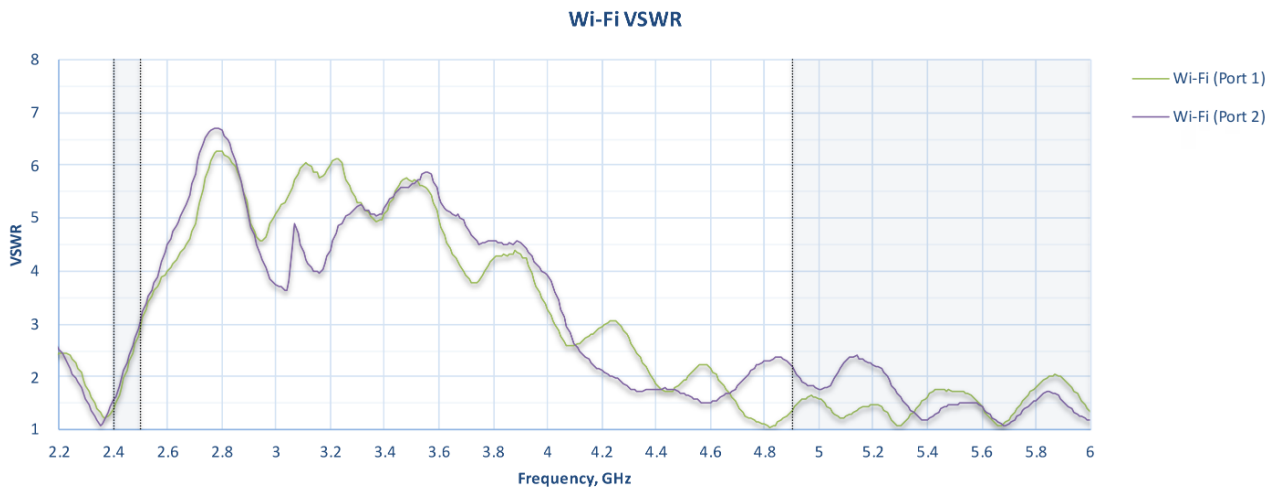
Cellular Antenna Gain



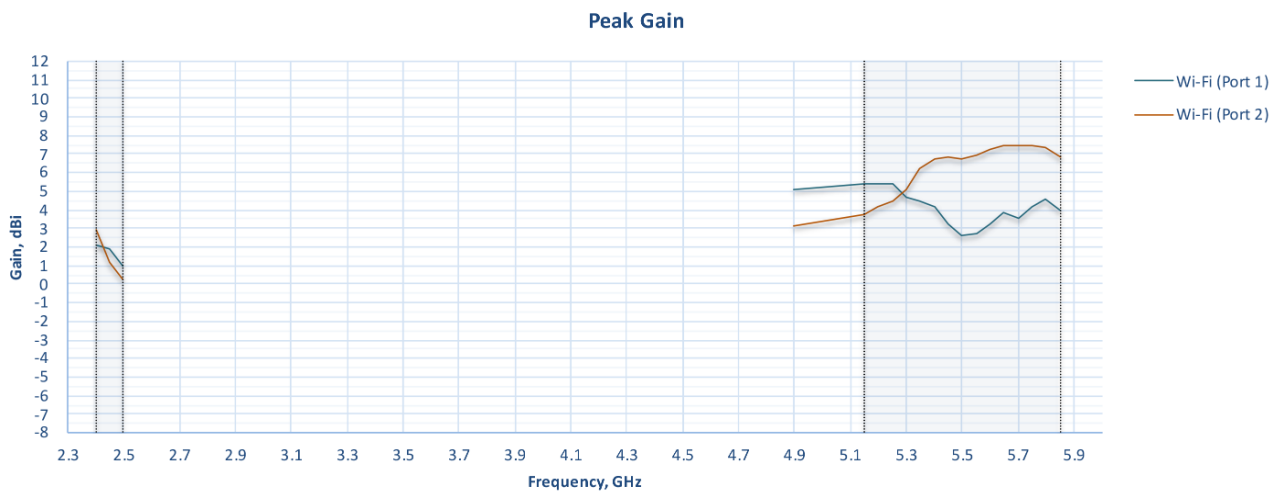
Cellular Antenna Efficiency



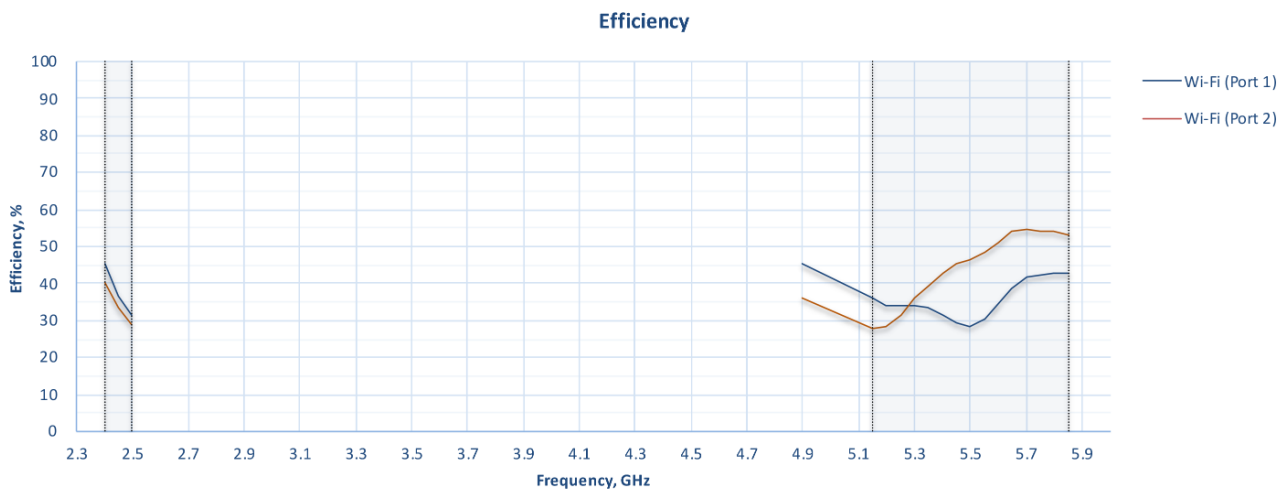
Wi-Fi Antenna VSWR



Wi-Fi Antenna Gain



Wi-Fi Antenna Efficiency



Cellular & Wi-Fi Antenna Isolation

5G/LTE and Wi-Fi antenna elements isolation

