

BiPAC 5700

5G NR Outdoor VPN Router

- Ultra High Speed
- Fixed Wireless Broadband
- An Alternative Solution for Last Mile Access
- Mission-Critical & Performance Intensive Networks
- Industrial Connectivity Applications
- Suburban and Rural Environments

BiPAC 5700 - 5G NR Outdoor VPN Router



The BiPAC 5700 integrates the newest 5G NR(sub-6G) module and high performance dual-polarized MIMO antenna, making it fastest commercially available outdoor router. BiPAC 5700 is a high performance, robust connectivity and a reliable platform, the ideal solution for Fixed Wireless Access, last-mile access, residences, urban areas, and the underserved.

5G NR - The Newest Generation Standard of Wireless Broadband

With 5G NR network connectivity, users can enjoy an unprecedented Internet accessing experience.



Enterprise Class Secure VPN Connections

The BiPAC 5700 supports VPN (Virtual Private Network) protocols for business users to establish private encrypted tunnels over the public Internet to secure data transmission between offices.



Central Management System

The BiPAC 5700 supports CWMP(TR-069) and Billion CMS system, it is easier to remotely control and manage BiPAC 5700 installed outdoors. Enabling users to minimize deployment, lower supporting service expenses and maximize operational efficiency.



Industrial-Grade Design for Rugged Environment

The BiPAC 5700 is an industrial-grade design with an IP67 rated enclosure to withstand the extreme weather conditions. Passed Wind Tunnel Tested, successful operation up to 132mph (F2 Tornado 113-157mph). Also, built-in $\pm 6K$ surge(K.21) and $\pm 15KV$ ESD(EN 61000-4-5) protection design protects against storm/lightning surges and extend operating temperature range to $-40^{\circ}C \sim 60^{\circ}C$. To ensure that the BiPAC 5700 will run reliably in rugged environment.



Easy Installation with PoE Support

Easy Installation is realized with integrated IEEE 802.3at Power over Ethernet (PoE) support, eliminating the need for separate power and data cables.



High Performance

- High performance 5G NR(sub-6G) module
- Advanced IP networking functionalities including Router and IP Pass-Through modes

Dual-Polarized MIMO Antenna for Maximum Bandwidth and Service Coverage

- Embedded dual-polarized antenna
- Optimize antenna design per band

Secure VPN Connections

- IPSec, OpenVPN, GRE, PPTP, L2TP

Central Management System

- CWMP(TR-069)
- Billion CMS

Designed for Challenging/ Rugged Environments

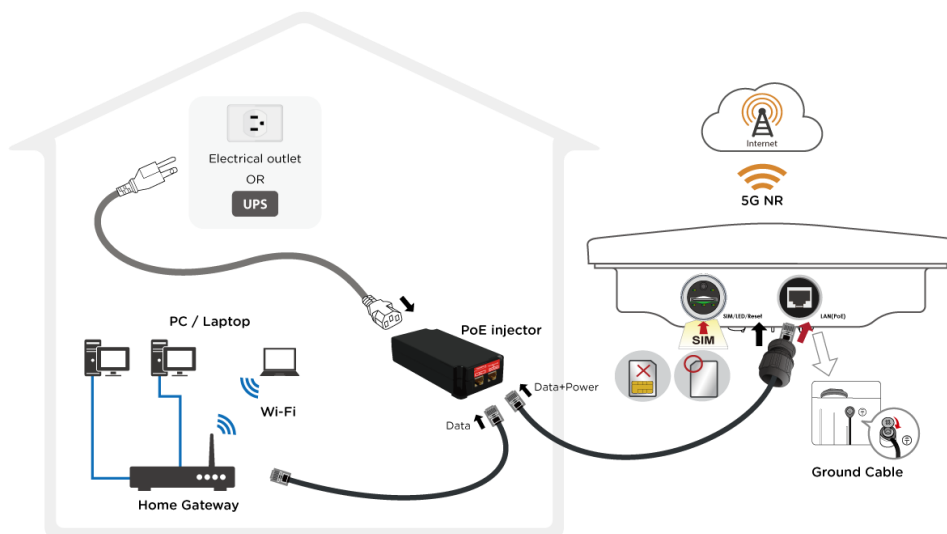
- IP67 hardened enclosure with industrial-grade components
- Designed for the toughest industrial environments
- Rugged compact design, deploys easily in space constrained areas
- Electrostatic discharge (ESD) & Surge protect

Lightweight and Compact Design

- Easily installed by single person
- Supports Power over Ethernet (PoE)

Package Includes PoE Injector and Mounting Kit

Application Diagram



Features & Specifications

■ Ultra High Speed Mobile Wireless Communication

- Embedded high performance 5G NR(sub-6G) module^{*1}
- Embedded dual-polarized MIMO antenna

■ Embedded 5G NR

- Frequency bands and data rate depend on equipped 5G NR(sub-6G) module^{*1}

■ Network Protocols and Features

- IPv4, IPv6, IPv4/ IPv6 dual stack^{*2}
- Dual APN^{*3}
- Keep Alive
- IP Pass-Through
- NAT, Virtual Server and DMZ
- Static Routing, Dynamic Routing (RIP-1/2, OSPF, BGP)
- SNTP, DNS relay and DDNS
- Universal Plug & Play (UPnP)
- Supports DHCP server/ client

■ Firewall

- Built-in NAT firewall
- Stateful Packet Inspection (SPI)
- Prevents DoS attacks including Land Attack, Ping of Death, etc.
- Access Control
- IP Filtering, MAC Filtering, URL Filtering
- VPN pass-through

■ Secure VPN Connections

- IPSec
- PPTP
- L2TP
- GRE
- OpenVPN

■ Global Navigation Satellite System (GNSS)^{*2}

- Embedded multi-GNSS engine for GPS or GLONASS system

■ Management

- Password protection for system management
- Web-based GUI for remote and local management
- Firmware upgrade and configuration data upload and download via Web GUI
- TR-069(CWMP)^{*2}, Billion CMS^{*2}, SNMP
- 5G NR Usage Allowance
- Syslog monitoring
- Physical layer/protocol diagnostic test tool

■ Hardware Specifications

Physical Interface

- One(1) Gigabit Ethernet Interfaces with IEEE802.3at compliant PoE P.D
- One(1) Mini-SIM(2FF) slot (for the SIM from Telco/ISP)
- Reset Button
- LED Indicators: Power/Boot, LAN(PoE), Internet, Signal Strength and GNSS^{*2}

Physical Specifications

- Dimensions: 257mm x 227 mm x 91mm (8.5" x 7.5" x 3.0")
- Weight: 1.81kg (4lbs)
- IP-67 grade enclosure

Operating Requirements

- Operating: -40°C to 60°C (-40°F to 140°F)

Surge/ESD Protections

- Surge Protection: K.21 common mode ±6KV
- ESD Protection: Contact: ±8KV / Air: ±15KV

Notes:

1. The 5G NR is dependent on your local service provider.
2. Only upon request for Telco/ ISP tender projects.
3. Dual APN is not supported on some specific SKU, please confirm it with our sales.
4. Specifications in this datasheet are subject to change without prior notice.