OrpheEdge 5G

Compact 5G on the go for secure P2P anywhere.

A palm-sized connectivity solution built for mobile deployments and on-site work.

Portable 5G Connectivity Anywhere

A palm-sized connectivity solution built for mobile deployments and on-site work. Wherever you are, establish instant, secure links.

Supports multiple network interfaces (5G/4G LTE/Wi-Fi/Ethernet) and can be powered via USB—lightweight and easy to carry.

Hardware Specifications

Built-in Raspberry Pi 4B

Processing Power

CPU: Quad core Cortex-A72 (ARM v8)

SoC: Broadcom BCM2711

Memory: 4GB PDDR4-3200 SDRAM

Storage & Connectivity

Storage: 32G Micro-SD card

USB: USB 3.0 X1, USB 2.0 X 2

Ethernet: Gigabit Ethernet X1

Wireless & Output

Wireless: 2.4 GHz/5.0 GHz

Bluetooth: Bluetooth 5.0

Video Output: micro-HDMI ports X2

Physical Specifications

63mm
Width
Compact form factor

92mm
Length
Easy to carry

40mm
Height
Palm-sized design

Power Requirements

Power: 5V DC via USB Type-C

Operating Conditions

Operating Temperature: 0°C ~ 50°C

Cellular Connectivity

5G SA and NSA (3GPP Release 15)

FR1 FDD-LTE Bands

n1, n2, n3, n5, n7, n8, n12, n20, n28, n66, n71

FR1 TD-LTE Bands

n38, n41, n77, n78, n79

LTE Advanced-Pro (3GPP Release 15)

- FDD-LTE: 1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 17, 18, 19, 20, 25, 26, 28, 29, 30, 32, 66, 71
- TD-LTE: 34, 38, 39, 40, 41, 42, 46 (LAA), 48 (CBRS)

UMTS/HSPA+ (3GPP Release 8)

FDD Bands: 1, 2, 4, 5, 6, 8, 9, 19

OrpheLink Key Features

Comprehensive software capabilities designed for secure, flexible, and manageable connectivity solutions.

SD-WAN Capabilities

Traffic Encryption and Security

TLS1.3, QUIC, PQC

P2P NAT Traversal Support

Direct peer-to-peer connections

LAN to LAN Connectivity

Seamless network bridging

No Public IP Address Required

Simplified deployment without complex network configuration

No DDNS Required

Eliminate the need for dynamic DNS services

End-to-End Protection

Complete security across the entire connection

Remote Management

Zero-touch Provision

Automated device setup and configuration without manual intervention

Zero Trust Security

Advanced security model that verifies every access request

Integrate Network and Applications

Unified management of network infrastructure and applications

Bulk Configuration

Efficiently configure multiple devices simultaneously

Backup & Restore

Protect your configurations with comprehensive backup solutions

Centralize Log Records & Export

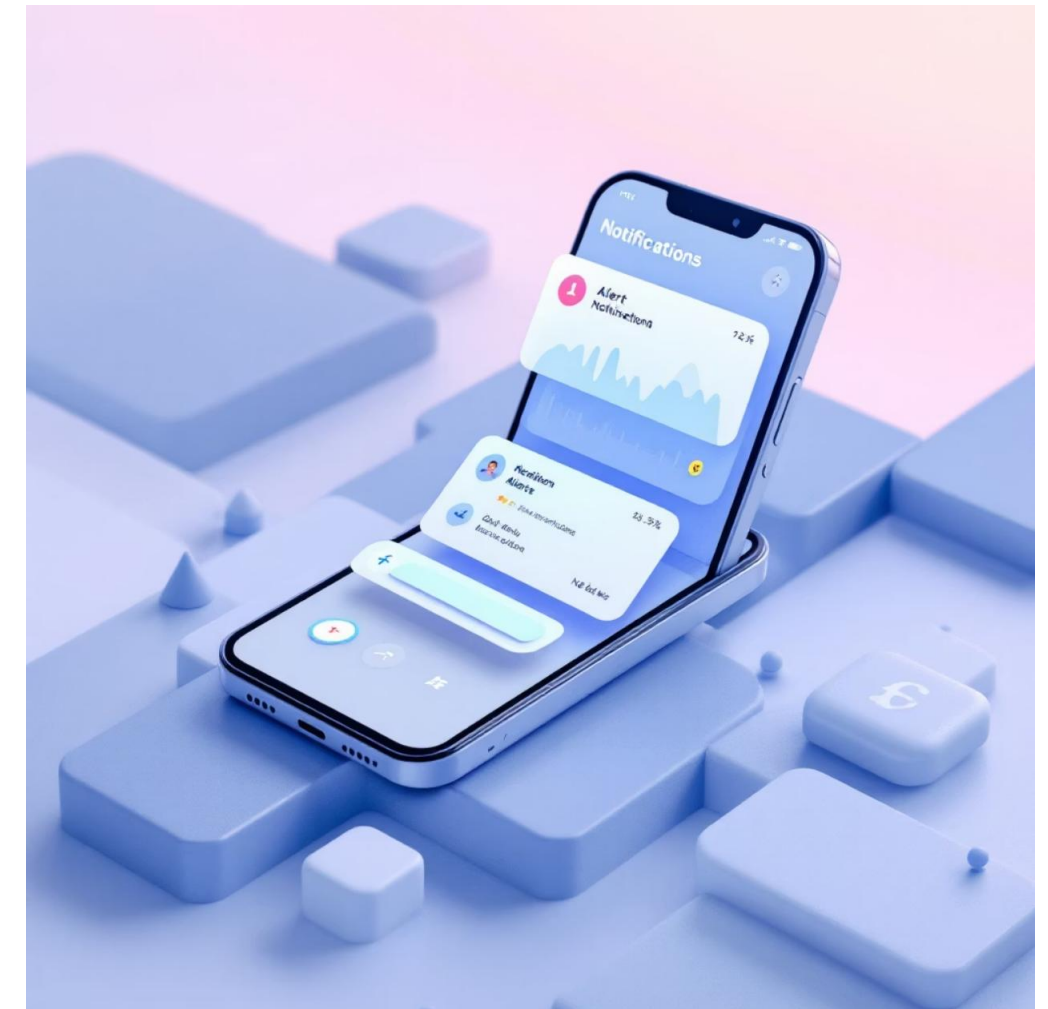Comprehensive logging and reporting capabilities

Alert Management

E-mail, SMS, Alert

Multiple notification channels to keep you informed across all your preferred communication methods

Timely Status Notification

Real-time alerts ensure you're always aware of your network status and any critical events

OrpheEdge — Use Cases

Remote Teams

Team members may work from home, cafés, or while traveling. OrpheEdge ensures they can securely access internal network resources anytime, staying as efficient as if they were in the office.

Multi-Site Enterprises

HQ, branches, factories, and warehouses often need secure, frequent data exchange. OrpheEdge establishes stealth P2P tunnels so cross-network and cross-region links are as stable and reliable as a local area network.

Real-Time Transmission Needs

For remote data streaming, device/status monitoring, system operations, or real-time data scenarios, OrpheEdge delivers low-latency, high-stability links to ensure timely and accurate information delivery.

Sensitive Data Exchange

When transferring confidential files, customer records, or financial reports, OrpheEdge provides top-tier encryption and protection to ensure data integrity and privacy.

Key Benefits

Private P2P Access—no exposure

Connect sites directly without public IPs or open ports, keeping infrastructure invisible on the internet and cutting breach risk to near-zero.

Future-proof security posture

Zero Trust + end-to-end encryption + PQC readiness safeguard sensitive data today and against emerging quantum threats.

Go live anywhere, fast

Spin up secure links in minutes—even behind NAT/CGNAT—across diverse environments and form factors, without relying on public IPs or VPNs.

Fleet-level control with OrpheLink

Manage nodes, policies, and paths from one visual console to simplify operations, standardize security, and scale across regions.

Complete Connectivity Solution

Experience the power of portable 5G connectivity with comprehensive security, remote management, and alert capabilities—all in a compact, easy-to-deploy package.

For more information, visit: https://www.oprueba.com/en/orpheEdge