



DESIGNED FOR



PTP Backhaul

For WISP & Telecom Networks



Industrial Applications

For Capacity-Demanding Scenarios



Video Surveillance

Wireless Camera Infrastructure

PTP Series

PTP is Benchu group's flagship product line known for its quality and performance. The high-capacity wireless bridges are deployed in backhaul and last-mile scenarios by many Internet service providers and telecommunications operators (even Tier 1) worldwide because of the need for carrier-grade performance and link robustness. All PTP bridges are equipped with W-Jet, Benchu group's proprietary data transmission protocol, developed to improve traffic flow and spectrum usage efficiency.

+700Mbps Performance

Carrier-Grade Hardware Design

Minimized Maintenance

Proprietary Protocol for PTP Scenarios

Simplified Setup & Management

Product Summary



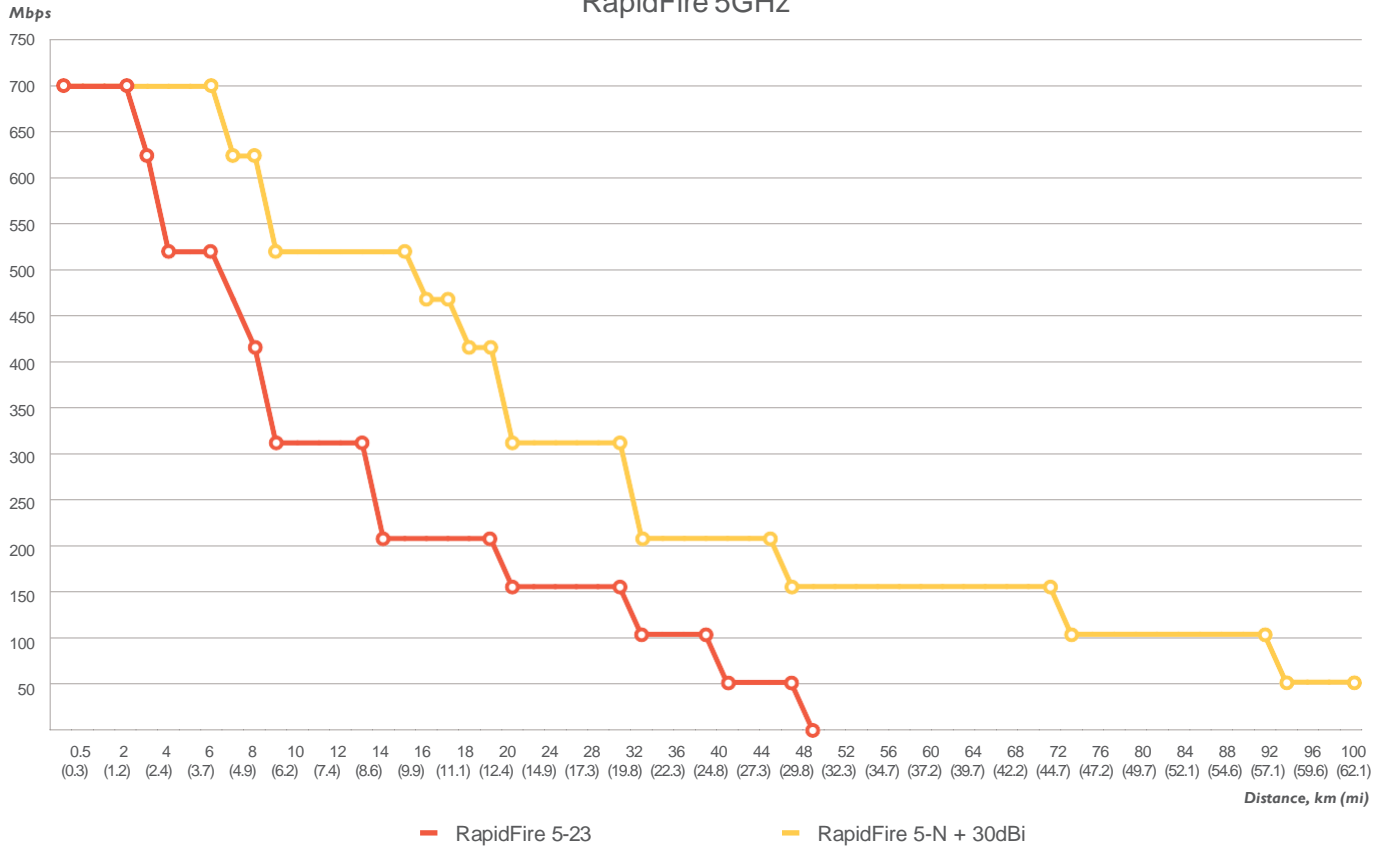
| | |
|----------------------------|--|
| Product | PTP 5-23 RapidFire/ PTP 5-N RapidFire |
| Role Description | Next generation PTP equipment for long-range links over the 5GHz frequency band |
| Radio | |
| Frequency | 4.900–6.100GHz* |
| Channel Size | 5, 10, 20, 40, 80MHz |
| Duplexing | TDD |
| Stream | MIMO 2×2 |
| Wireless Protocol | Proprietary W-Jet V |
| Max Output Power | 31dBm** |
| Modulation Schemes | BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM |
| Network | |
| Ethernet Interface | 2× 10/100/1000 Base-T |
| Aggregated Data Throughput | 700Mbps |
| Antenna | |
| Type | Integrated dual pol directional panel; N-type connectors for external antenna |
| Gain | 23dBi |
| Mounting | |
| Pole Diameter | 1–12.4cm (0.39–4.88in) |
| Tilting | +25°/–45° |
| Powering | |
| Method | PoE 802.3af/at |
| Input Voltage | +/-42–57VDC |
| Power Consumption | 8.6W |
| Operating Temperature | –40°C~+65°C (–40°F~+149°F) |

* Power is lower at frequency edges

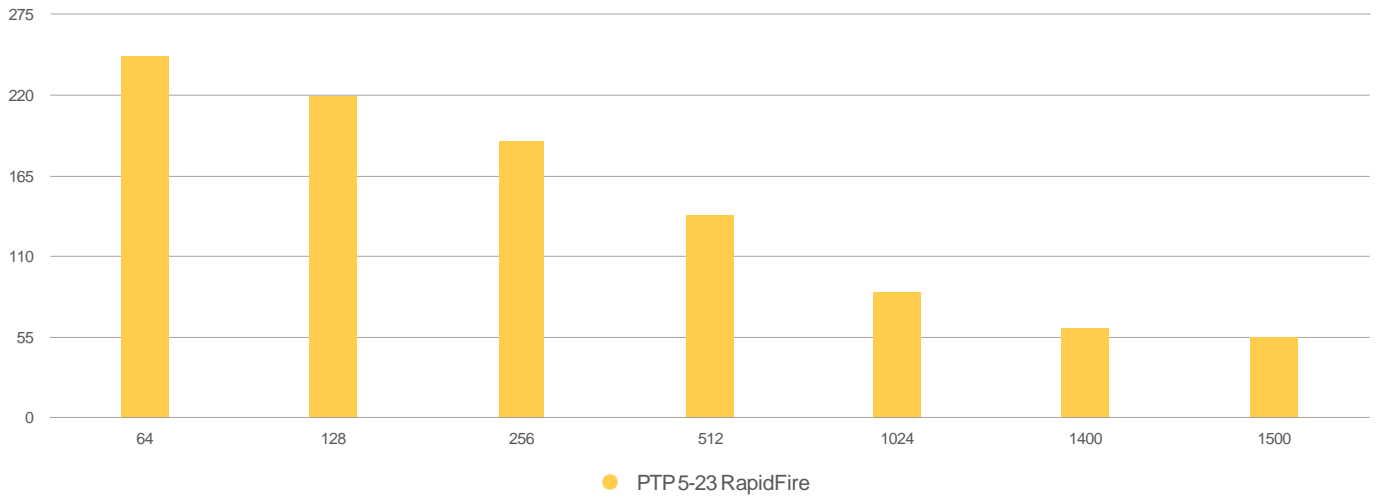
** Country-Dependent

Product Comparison

RapidFire 5GHz



Packets per second, in thousands



Throughput, Mbps

