**CITRAWEB SOLUSI TEKNOLOGI**
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# PTP 670 Integrated 5Ghz

**Kode** : PTP-670-INT
**Brand** : Cambium
**Jenis** : Wireless PTP

**Untuk mendapatkan harga terbaik dan info ketersediaan silakan menghubungi tim Sales kami melalui Whatsapp di nomor 0811 2039 555 (chat only) atau melalui email ke sales@citraweb.com**

Penawaran Harga Spesial
08112039555

PTP 670 systems provide 4.9 to 6.05 GHz, multi-band flexibility in a single radio and operate in channel sizes from 5 to 45 MHz.

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| RADIO TECHNOLOGY | |
| Model | PTP 670 |
| RF Bands | Wide-band operation 4.9 to 6.05 GHz (Allowable frequencies and bands are dictated by individual country regulations) |
| CHANNEL SIZES | 5, 10, 15, 20, 30, 40, and 45 MHz channels |
| | Channel sizes depend on individual country regulations |
| SPECTRAL EFFICIENCY | 10 bps/Hz maximum |
| CHANNEL SELECTION | By Dynamic Spectrum Optimization or manual intervention |
| | Automatic selection on start-up and continual self-optimization to avoid interference |
| MAXIMUM TRANSMIT POWER | Up to 27 dBm |
| SYSTEM GAIN | Up to 164 dB with Integrated antenna |
| MODULATION / ERROR | Fast Preemptive Adaptive Modulation featuring 13 |
| CORRECTION | modulation / FEC coding levels ranging from BPSK to 256 |
| | QAM dual payload MIMO |
| DUPLEX SCHEME | Time Division Duplex (TDD) |
| | Adaptive or fixed transmit/receive duty cycles |

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| | Split frequency operation allows separate transmit and receive frequencies where allowed by regulation. |
| | Optional TDD synchronization using PTP-SYNC Module |
| ANTENNA | Integrated Flat panel: 23 dBi |
| | Connectorized: operate with a selection of separately-purchased single and dual polarity antennas through 2 x N-type female connectors |
| RANGE | Up to 155 miles (250 km) |
| SECURITY | FIPS-197 compliant 128/256-bit AES Encryption (optional) HTTPS and SNMPv3 |
| | Identity-based user accounts Configurable password rules |
| | User authentication and RADIUS support |
| | Event logging and management; optional logging via syslog |
| | Disaster recovery and vulnerability management |
| | |
| ETHERNET BRIDGING | |
| PROTOCOL | IEEE 802.3 |
| LATENCY | 1-3 milliseconds one direction |
| QOS | Extensive QOS supporting up to 8 Queues |
| PACKET CLASSIFICATION | Layer 2 and Layer 3 IEEE 802.1p, MPLS, Ethernet priority |
| PACKET PERFORMANCE | Line rate ( >850K packets per second) |
| TIMING TRANSPORT | Synchronous Ethernet; IEEE 1588v2 |
| FRAME SUPPORT | PTP Mode: Jumbo frame up to 9600 bytes |
| | HCMP Mode: 2000 bytes per frame |
| FLEXIBLE I/O | 2 x Gigabit Ethernet copper ports: - Gigabit Port 1: Data + PoE power input - Gigabit Port 2: 802.3at PoE output port |
| | 1 x SFP port: single-mode fiber, multi-mode fiber or copper Gigabit Ethernet options available |
| T1/E1 TDM SUPPORT | 8 x T1/E1 TDM (Network Indoor Unit (NIDU)) G.823-compliant timing |
| | DC power input (compatible with AC+DC Power Injector output) |
| | |
| MANAGEMENT | |
| NETWORK MANAGEMENT | In-band and out-of-band management (OOBM) |
| SYSTEM MANAGEMENT | IPv6/IPv4 dual-stack management support |

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| | Web access via browser using HTTP or HTTPS/TLS3 SNMP v1, v2c and v3, MIB-II & proprietary PTP MIB |
| | Online spectrum analyzer (no impact on payload traffic or network operation) |
| INSTALLATION | Built-in audio and graphical assistance for link optimization |
| | |
| HIGH CAPACITY MULTI POINT | |
| REMOTE MODULES MASTER | Up to 8 Nodes |
| CHANNEL BANDWIDTH | 20 MHz and 40 MHz |
| DATA CAPACITY PER REMOTE | Number of Remote Module |
| MODULE IN 1:1 SYMMETRY | @40 MHz |
| | Mbps |
| SPECTRAL EFFICIENCY IN HCMP | 8 bps/Hz Max |
| LINE RATE PACKET PER SECOND | 850K pps |
| LATENCY IN HCMP MODE | 2 to 4 ms one way(typically) |
| | |
| PHYSICAL | |
| DIMENSIONS | Integrated Outdoor Unit (ODU): |
| | Width 305mm (12”), Height 343mm (13.5”), Depth 81mm (3.2”) |
| | Connectorized ODU: |
| | Width 204mm (8.0”), Height 318mm (12.5”), Depth 90mm (3.5”) |
| WEIGHT | Integrated ODU: 4.1 kg (8.95 lbs) including bracket |
| | Connectorized ODU: 3.1 kg (6.8 lbs) including bracket |
| OPERATING TEMPERATURE | -40° to +140° F (-40° to +60° C), including solar radiation |
| DUST- WATER INTRUSION | IP66 and IP67 |
| PROTECTION | |
| WIND SPEED SURVIVAL | 200 mph (322 kph) |
| POWER SUPPLY | 1. AC power injector: 32° to 104° F (0° to +40° C); 35 W; 90-240 VAC, 50/60Hz |
| | Dimensions: Width 5.2”(132mm), Height 1.4”(36mm), Depth 2”(51mm) |
| | 2. AC + DC power injector: -40° to 140° F (-40° to +60° C); 70 W; 90-240 VAC, 50/60 Hz |
| | Dimensions: Width 9.75” (250 mm), Height 1.5” (40 mm), Depth 3” (80 mm) |
| POWER CONSUMPTION | 30 W maximum (up to 70 W with 802.3at device on auxiliary port) |

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** Harga, spesifikasi, dan ketersediaan bisa berubah dan tidak mengikat*

**URL :** https://www.citraweb.com/produk/734/

**Informasi lebih lanjut, pemesanan dan pembelian, hubungi: 0274-554444 atau email sales@citraweb.com**

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