



CFW-2832



AurusPRO

CBRS Category B
Outdoor CPE

Product Summary

- + High performance 5G CBRS Category B CPE suitable for rural connectivity
- + High gain 16dBi antenna delivers maximum range and performance
- + Powered via standards compliant Power Over Ethernet (802.3af), it is compatible with third party standards compliant PoE Sources and Consumer/Enterprise Gateways
- + Integrated Power Over Ethernet K.21 compliant Lightning Surge Protection
- + Remotely manageable (FM, CM, PM, SM) via BBF TR-069, SSH and HTTP/S
- + Robust IP65 design for longevity supporting a wide operating temperature range and harsh environments
- + Additional Installation Tools and Smartphone Applications available to provide efficient installation processes





CFW-2832 Outdoor CPE

Technical Specifications

Model Number

+CFW-2832

3GPP Release

+Release 16

Technologies Supported

+5G SA

+3GPP CN Option 2

Frequency Bands

5G

+n48

Device Category

NR

+Uplink: MIMO 2x2 Single Carrier Up to 100MHz, 256QAM

+Downlink: MIMO 4x4 Dual Carrier Up to 200MHz, 256QAM

5G Subcarrier Spacing (SCS)

+30kHz

Antenna Characteristics

Antenna Type

+Dual-Polarized 4x4 MIMO
High Gain Directional

Frequency Coverage

+Up to 16dBi (frequency dependent)

Conducted RF Output Power

(Pre-Antenna)

NR

+SA: 26dBm single TX UL

+2x23dBm MIMO 2x2 UL

CBRS Support

+CBSD Category B Device

+Max 47dBm/10MHz EIRP

+Max 37dBm/MHz PSD

+Integrated SAS Client

Interfaces

+1 x 2.5Gbit Base-T Ethernet RJ45 port

+BLE (Bluetooth Low Energy) for connection to installation app

GPS

+Embedded GPS

SIM Card Reader

+Supports 2FF SIM card

Operating System

+Based on Embedded Linux

Temperature

+Operating temperature:
-40°F to 131°F (-40°C to 55°C)

Enclosure

+IP65 rated

Safety

+Surge and lightning protection (K.21 Compliant) utilising optional PoE Injector

Dimensions & Weight

Dimensions

+460mm x 335mm x 111mm / 18 x 13 x 4 inches (includes mounting bracket)

Weight

+2.8kg / 6.2lbs
(includes mounting bracket)

Mounting Options

+Elevation adjustable mount

+Suitable for 1-2.4" (25-60mm) circular poles

+Adjustable +/- 24°

Power

Supply

+Power over Ethernet per IEEE 802.3af Mode A and B

Consumption

+Peak operating power: 11.1W

Cellular WAN Networking

+Up to 6 APN Configurations

+Up to 8 Bearers & Traffic Classes

+PCI Lock

+Automatic cellular band selection

+Automatic operator selection

Device Management

+HTTP/S Web-based User Interface (Local & Remote Support)

+TR-069/TR-143/TR-181 Support for CM, PM, FM, SM

+Firmware upgrade remotely Over-The-Air (TR-069)

+Installation Support via Smartphone App

+Diagnostics & Metrics

+Secure Shell (SSH)

+Remote syslog

+Ping diagnostic tool

+NTP Client

Networking & Routing

+IPv4, IPv6, IPv4v6

+IP Passthrough / Handover

+VLAN support

+Static routing

+DHCP server

+Port forwarding

+IP / MAC / Port filtering

+Firewall

+VPN Passthrough

+Policy Based Routing

Specifications are subject to change without notice. Images shown may vary slightly from the actual product.
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