



# AURUSPRO CBRS CATEGORY B OUTDOOR CPE

CFW-2832

## 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



# 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

NetComm CFW-2832 Spec Sheet Rev 10

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