



TWIN CORE

Flexible Communications Platform

Twin CORE is a compact ruggedized communications hub built for a variety of applications. Twin CORE is a durable device that integrates bonded multi-channel cellular LTE, Wi-Fi, GPS, and optional Land Mobile Radio extension capabilities.

Twin CORE may be mounted in any vehicle, installed in a rugged carry along case (CORE CommsKit) or located at a stationary facility. Designed for ease of use utilizing leading-edge technology. Twin CORE is ready to keep pace with your growing communications needs.



The Basics

- Small rugged footprint allowing flexible deployment solutions
- Native DC power
- No moving parts to be affected by vehicle movement
- Passively cooled
- 2 cellular LTE radios
- Secure Wi-Fi for body cams and other wireless devices
- GPS tracking embedded in the unit
- Interconnect points for data units, biometric equipment and other wired devices
- May be deployed singularly or through-out a large enterprise

Scalability and Operational Ease

- Two cellular LTE radios onboard that can hold 2 SIM cards locally in the Twin CORE's SIM slots or virtually from an optional CORE Control 2 system installed at your datacenter.
- The optional CORE Control configures and checks in on all CORE systems. CORE Control provides the MMS feature and reduces maintenance and downtime while providing integrated system status reports.
- Twin CORE systems automatically register with the optional CORE Control 1 server when turned on and are visible on the network for the entire duration. If CORE Control 2 is added appropriate remote SIM cards can be distributed per plan.
- Powerful and secured Wi-Fi with a large effective range and secured authorized devices. Wi-Fi mesh is possible with multiple Twin CORE systems deployed in a given territory.

Every Twin CORE has sophisticated software that manages cell tower handoffs as you travel, maximizing signal strength and automatically searching for the best throughput connection available. Use of bonded

LTE aggregation allows Twin CORE users the ability to maintain session persistence even if one or more of the cell connections fail for any reason. The optional LMR extension functions in the background to detect loss of

FLEXIBILITY TODAY AND TOMORROW

Twin CORE has two LTE radios on board that support all bands of LTE service, including all major North American carriers. This flexibility frees you from being limited to just one service provider when you purchase your LTE router and from having to replace your hardware when switching to a new cellular service provider.

Twin CORE

Product Specification Data Sheet

Billet milled aluminum case for mobile, portable and office applications



AGILE ROUTING

Our devices automatically search for the best throughput connection available. If all LTE connections are lost, Twin CORE will automatically connect to the satellite. If the device finds a LTE connection it will reconnect to the first available LTE service, hands-free. The customer does not have to monitor AGILE routing.

* Products: Twin CORE X2

Systems: Twin CORE CommsKit X2

Data Rates per LTE Channel, 2 Channels: (LTE Cat. 18)

- Uplink up to 150 Mbps
- Downlink up to 1.2 Gbps

Global: (Worldwide LTE)

Bands Supported

- 4G: B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28, B29, B30, B32, B38, B39, B40, B41, B42, B43, B46, B48 (CBRS ready), B66, B71
- 3G: B1, B2, B4, B5, B8, B9, B19)

* Product: Twin CORE X1

Data Rates per LTE Channel, 2 Channels: (LTE Cat. 4)

- Uplink up to 50 Mbps
- Downlink up to 150 Mbps

North America: (Dedicated public safety, first responder networks, AT&T, Verizon, T-Mobile) Bands Supported:

- 4G: B2, B4, B5, B12, B13, B14, B71
- 3G: B2, B5

Global: (Worldwide LTE) Bands Supported:

- 4G: B1, B2, B3, B4, B5, B7, B8, B12, B13, B18, B19, B20, B25, B26, B28, B38, B39, B40, B41
- 3G: B1, B2, B4, B5, B6, B8, B19

2 3FF Micro SIM slots (optional SIM population via CORE Control 2)

Twin CORE X2 - 4 GSM antennas, one optional GPS antenna, the unit has 2 internally mounted WiFi antennas.

Twin CORE X1 - 2 GSM antennas, one optional GPS antenna, the unit has 2 internally mounted WiFi antennas.

AGILE LTE antennas:

- Antenna Standard - SMA connected antenna low height directional
- Antenna Premium - SMA connected antenna mid height directional
- Antenna Premium - Wired SMA lead antenna flat panel

Wi-Fi

- Dual Radio
- Dual Band
- 2.4/5 GHz
- 802.11a/b/c/g/n/ac

Wired

- 3Gigabit RJ-45 Ethernet Ports
- 1 USB 2.0 Ports

WLAN Security

- WPA, WPA 2, WPA-PSK, WPA-EAP

GPS

- Active NMEA Passive NEMA

Structure Power

- 4 to 40 VDC

Dimensions

- 6 1/8" x 3 5/8" x 2 1/4"
- 160mm x 92mm x 55mm

Weight

- 0.9lb / 400kg

Operating Range

- -22°F to 158°F
- -30°C to +70°C
- IP64

Security FIPS-140-2

- Optional

VPN

- IPSEC Tunneling

Warranty and Service

Standard

- 1 Year Limited

Optional

- 2, 3, 5 year

MORE BANDWIDTH LESS EXPENSE!

WE ARE AGILE

We engineer the hardware. We design the software. We build the solution. With committed support.

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