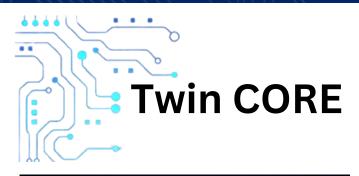(202) 827-6301 / SALES@AISINTEROP.COM
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Bethesda, MD. Sunrise, FL. Berlin, Germany

AGILE CAGE: 7WTH2
AGILE DUNS: 080324701
NAICS CODE: 334220
GSA MAS CONTRACT NUMBER: 47QTCA19D0052

Twin CORE

Flexible Communications Platform

Twin CORE X1 is a compact ruggedized communications hub built for a variety of applications. Twin CORE X1 is a durable device that integrates bonded multi-channel cellular Cat 6 LTE, Wi-Fi, GPS, and optional Land Mobile Radio extension capabilities.

Twin CORE X1 may be mounted in any vehicle, installed in a rugged carrying case (CORE CommsKit) or located at a stationary facility. Designed for ease of use utilizing leading-edge technology, Twin CORE X1 is ready to keep pace with your growing communications needs.

The Basics

- Compact and rugged design allows for a variety of deployment solutions
- DC power, AC power optional
- No moving parts affected by vehicle movement
- 2 Cat 6 LTE channels / 2 SIM slots for each Twin CORE
- Large, secure Wi-Fi coverage area for body cams, healthcare monitoring devices and other wireless systems
- GPS tracking embedded in the unit.
- Interconnect points for data units, biometric equipment, and other wired devices.
- May be deployed singularly or throughout a large enterprise

Scalability and Operations

- Two Cat 6 LTE radios onboard.
- The remote management server NetView monitors, configures and checks in on all CORE systems reducing maintenance, downtime while providing integrated system status reports.
- Twin CORE X1 systems automatically register with the optional NetView server when turned on and are visible on the network for the entire duration.
- Powerful and secured dual-band Wi-Fi with a large effective range. Wi-Fi mesh is possible with multiple CORE systems deployed within a given territory.

Every Twin CORE X1 has sophisticated software that manages cell tower handoffs as you travel, maximizing signal strength and automatically searching for the best throughput connection available. This 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 service to the trunked radio network and will send the transmission over the LTE connection. This requires no action by the operator.

Flexibility Today and Tomorrow

Twin CORE has two Cat 6 LTE radios on board that support all bands of service, including all major North American carriers, FirstNet and private network users. This flexibility frees you from being limited to just one service provider when you purchase your system and from having to replace your hardware when switching to a new cellular service provider.

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Twin CORE

Product Specification Data Sheet

Billet milled aluminum case for mobile, portable and office applications

Our devices automatically search for the best throughput connection available. If all LTE connections are lost, Twin CORE X1 can connect to any available satellite modem. If the device finds an available cellular connection it will reconnect to that service, hands-free. The customer does not have to monitor AGILE Routing.

Products: Win CORE X1, Systems: Twin Core CommsKit X1, Twin CORE Comms Kit LMR X1				
Systems:	**Twin CORE CommsKit X2**	**Wired**		• 3 Gigabit RJ-45 Ethernet Ports • 1 USB 3.2 Ports
Data Rates per CAT 6 LTE-A Channel, 2 Channels	• LTE-FDD: Max. 300 Mbps (DL) / Max. 50 Mbps (UL) • LTE-TDD: Max. 226 Mbps (DL) / Max. 28 Mbps (UL)			
Global: (Worldwide LTE) Bands Supported	• LTE-FDD: B1/ 2/ 3/ 4/ 5/ 7/ 8/ 12/ 13/ 14/ 17/ 18/ 19/ 20/ 25/ 26 / 28/ 29/ 30/ 32/ 66/ 71 • LTE-TDD: B34/38/39/40/41/42/43/46 /48 (CBRS) • LTE-LAA: B46	**WLAN Security**		• WPA, WPA 2, WPA-PSK, WPA-EAP
Data Rates per WCDMA Channel, 2 Channels	• DC-HSDPA: Max. 42 Mbps (DL) • HSUPA: Max. 5.76 Mbps (UL) • WCDMA: Max. 384 Kbps (DL/UL)	**GPS**		• Active NMEA Passive NEMA
Global: UMTS Bands Supported	• WCDMA: B1/ 2/ 3/ 4/ 5/ 6/ 8/ 19	**Structure Power**		• 4 to 40 VDC
2 3FF Micro SIM slots		**Dimensions**		• 5 15/16 x 6 1/8 x 2 1/16 in • 160 x 92x 55 mm
Mobile CORE X5	4 GSM antennas, one optional GPS antenna, the unit has 2 internally mounted Wi-Fi antennas	**Weight**		• 0.9 lb / .408kg
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	**Operating Range**		• -22°F to 158°F • -30°C to +70°C • IP64
WAN protocol for cellular/satellite/other WAN connected interfaces.		**Security FIPS-140-2**		• Optional
Wi-Fi	• Dual Radio • 2.4/5 GHz • Dual Band • 802.11a/b/c/g/n/ac	**VPN**		• IPSEC Tunneling
Processing	• Intel Atom • 4 Gb RAM • 32 Gb Storage (eMMC) • USB 3.2 • Ethernet Ports WAN/LAN configurable 2.5 Gb	**Warranty and Service Standard**		• 1 Year Limited Optional • 1 year support and hardware warranty extensions are available for years 2 through 5 of ownership.

WE ARE AGILE

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