



RUGGEDCOM DATASHEET

Wide area private wireless systems

Private wireless WAN solutions enable secure long-range connectivity, extending IP networks over long distances to fixed and mobile users.

usa.siemens.com/ruggedcom

RUGGEDCOM WIN family of products is the first field proven broadband wireless product portfolio designed for private networks, delivering the benefits of carrier-grade 4G technology to critical infrastructure applications in harsh environments. Its products are based on the IEEE 802.16e family of standards and third party validated to support interoperability with other vendors. As a unique capability the RUGGEDCOM WIN family products are able to operate without external servers, reducing initial capital outlay significantly, while maintaining features such as GOOSE over the air and mobility.

RUGGEDCOM WIN has been designed to cover vast territories with embedded GPS or IEEE1588 synchronization options to reduce self- interference and maximize frequency reuse. Moreover, the WIN products have the security feature set to enable organizations that provide critical infrastructure

to be compliant with legal mandates and security guidelines. Specifically for mobility applications the RUGGEDCOM WIN product line is capable of maintaining session persistence with real time applications in an environment at vehicular speeds.

All RUGGEDCOM products are backed by a five year warranty and unsurpassed technical support.

Common features

- Available in multiple frequencies (2.3 GHz, 2.5 GHz, 3.5 GHz, 3.7 GHz, 4.9 GHz, 5.1 GHz, 5.8 GHz)
- Over the air IEC 61850 GOOSE messaging support
- Low voltage DC input and high voltage AC/DC input options
- Seamless mobility in standalone mode
- Excellent performance in NLOS conditions
- Greater than 40 Mbps aggregate throughput



[RUGGEDCOM General information](#)
[Technology Highlights](#)
[RUGGEDCOM Knowledge Zone](#)

Product family RUGGEDCOM wide area private wireless systems

[Family brochure](#)
[WIN for AEROMACS brochure](#)

SIEMENS

RUGGEDCOM WIN5100

Vehicular subscriber unit

- 2 antennas for external connection
- Powered directly through 12 VDC, 24 VDC or PoE
- Optimized for AeroMACS (Aeronautical Mobile Airport Communications System)

Data Sheet:

[WIN5158-5-AC](#)

[WIN5158-5-DC](#)

User Guide:

[WIN5200](#)

Installation Guide:

[WIN5158](#)



RUGGEDCOM WIN5100-V

Enhanced vehicular subscriber unit

- 10/100BASE-TX M12 interface
- 2 antennas for external connection
- Powered directly with 9-36 VDC
- Optional GPS
- Optimized for AeroMACS

Data Sheet:

[WIN5158-V](#)

User Guide:

[WIN5100-V](#)

Installation Guide:

[WIN5158-V](#)



RUGGEDCOM WIN5200

Outdoor subscriber unit with PoE

- High gain integrated antenna
- Compatible with RP100/110
- Optimized for AeroMACS

Data Sheet:

[WIN5258](#)

User Guide:

[WIN5100](#)

Installation Guide:

[WIN5258](#)



RUGGEDCOM WIN7000

High power base station

- High output power of 2 x 36 dBm
- Single cable power and Ethernet, or fiber-optic interface options

Data Sheet:

[WIN7035-5-PEC](#)

[WIN7035-5-SFA](#)

[WIN7035-5-SFD](#)

User Guide:

[WIN7000](#)

Installation Guide:

[WIN7000](#)



RUGGEDCOM WIN7200

Base station

- Small form factor and low power consumption
- Power-over-Ethernet (PoE) single cable design
- Optimized for AeroMACS

Data Sheet:

[WIN7258](#)

User Guide:

[WIN7200](#)

Installation Guide:

[WIN7200](#)



RUGGEDCOM WIN7200

Base station

- Small form factor and low power consumption
- Power-over-Ethernet (PoE) single cable design
- Optimized for AeroMACS

Data Sheet:

[WIN7258](#)

User Guide:

[WIN7200](#)

Installation Guide:

[WIN7200](#)

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