

RUGGEDCOM WIN subscriber units



RUGGEDCOM WIN5100 vehicular subscriber unit

The RUGGEDCOM WIN5100 is a broadband wireless subscriber unit, compliant with the IEEE 802.16e standard, with external RF connectors for use in fixed or mobile applications in harsh environments.

The self-learning subscriber device automatically detects the base station on the best signal available, allowing for plug-and-play installation and maintenance-free operation. RUGGEDCOM WIN5100 comes with external antenna connectors and can be ordered with an optional 10 – 30 VDC input.



RUGGEDCOM WIN5100-V enhanced vehicular subscriber unit

The RUGGEDCOM WIN5100-V is built to sustain shock and vibration to comply with heavy rail industry certifications. With external M12 RF connectors and M12 DC power connector, this subscriber unit can be installed on mobile tractors and trucks, or in fixed locations susceptible to vibration such as runways.

The RUGGEDCOM WIN5100-V supports 9-36 VDC and comes with an optional GPS receiver which allows accurate location sharing with devices behind the subscriber unit or over-the-air, using 802.16e protocol.

Specifications	RUGGEDCOM WIN5100	RUGGEDCOM WIN5100-V	RUGGEDCOM WIN5200
Antenna	2 N-type antenna connectors for connection to external omni or directional antenna	2 N-type antenna connectors for connection to external omni or directional antenna	High gain integrated antenna
Flexible configurations	Designed for vehicular, cabinet or pole top installations	Designed for vehicular, cabinet or pole top installations	Designed for pole top installations
Power supply	PoE or Direct +/-12 to 24 VDC input	PoE or Direct +/-12 to 24 VDC input	Single cable Power-over-Ethernet (PoE)
Integrated GPS	No	Optional	No
Width	226 mm (8.9 in)	255 mm (10 in)	300 mm (11.8 in)
Height	80 mm (3.15 in)	92 mm (3.62 in)	310 mm (12.2 in)
Depth	92 mm (3.62 in)	108 mm (4.25 in)	91 mm (3.58 in)
Net weight	1.1 kg (2.4 lb)	1.2 kg (2.6 lb)	1.8 kg (4 lb)

RUGGEDCOM WIN5100	Article number	
Vehicular subscriber unit, supporting 1350 MHz to 1525 MHz	RUM:WIN5114	– ...
Vehicular subscriber unit, supporting 1785 MHz to 1805 MHz	RUM:WIN5118-WR	– ...
Vehicular subscriber unit, supporting 1800 MHz to 1830 MHz	RUM:WIN5118	– ...
Vehicular subscriber unit, supporting 2300 MHz to 2400 MHz	RUM:WIN5123	– ...
Vehicular subscriber unit, supporting 2496 MHz to 2690 MHz	RUM:WIN5125	– ...
Vehicular subscriber unit, supporting 3300 MHz to 3600 MHz	RUM:WIN5135	– ...
Vehicular subscriber unit, supporting 3550 MHz to 3800 MHz	RUM:WIN5137	– ...
Vehicular subscriber unit, supporting 4900 MHz to 5000 MHz	RUM:WIN5149	– ...
Vehicular subscriber unit, supporting 5000 MHz to 5150 MHz – AeroMACS	RUM:WIN5151	– ...
Vehicular subscriber unit, supporting 5725 MHz to 5850 MHz	RUM:WIN5158	– ...
Power options		
Direct 10-30 VDC input with separate Ethernet connector, equipped with DC power cable		DC
Standard commercial grade AC power injector – power		AC

RUGGEDCOM WIN5100-V	Article number	
Enhanced vehicular subscriber unit, supporting 3550 MHz to 3800 MHz, integrated 9-36 VDC power supply	RUM:WIN5137-V	– ...
Enhanced vehicular subscriber unit, supporting 4900 MHz to 5000 MHz, integrated 9-36 VDC power supply	RUM:WIN5149-V	– ...
Enhanced vehicular subscriber unit, supporting 5000 MHz to 5150 MHz, integrated 9-36 VDC power supply – AeroMACS	RUM:WIN5151-V	– ...
Enhanced vehicular subscriber unit, supporting 5725 MHz to 5850 MHz, integrated 9-36 VDC power supply	RUM:WIN5158-V	– ...
Add-on options		
No add-on		
Global Positioning System support for WAAS (USA system), EGNOS (European system), MSAS (Japanese system)		GPS

RUGGEDCOM WIN5100 & WIN5100-V – Accessories	Article number	
Data / PoE cables		
Outdoor cable (Ethernet) for WIN5100 & WIN5100-V for +48 VDC – 2 m	RUM:CBWR0014-02M	
Outdoor cable (Ethernet) for WIN5100 & WIN5100-V for +48 VDC – 15 m	RUM:CBWR0014-15M	
Outdoor cable (Ethernet) for WIN5100 & WIN5100-V for +48 VDC – 30 m	RUM:CBWR0014-30M	
Outdoor cable (Ethernet) for WIN5100 & WIN5100-V for +48 VDC – 45 m	RUM:CBWR0014-45M	
Outdoor cable (Ethernet) for WIN5100 & WIN5100-V for +48 VDC – 60 m	RUM:CBWR0014-60M	
Outdoor cable (Ethernet) for WIN5100 & WIN5100-V for +48 VDC – 75 m	RUM:CBWR0014-75M	
Outdoor cable (Ethernet) for WIN5100 & WIN5100-V for +48 VDC – 90 m	RUM:CBWR0014-90M	
Outdoor cable (Ethernet) for WIN5100 & WIN5100-V for +48 VDC – 500 m (batch for self-connectorization)	RUM:CBWR0014-500	
Power cables		
Fiber optic cable (Ethernet), single-mode, 1310 nm, sealed LC duplex connectors to LC Duplex – 3 m	RUM:CBWR0009	
Fiber optic cable (Ethernet), single-mode, 1310 nm, sealed LC duplex connectors To LC Duplex – 30 m	RUM:CBWR0019	
Antennas		
Omni-directional antenna 3.4-3.6GHz 6dBi 360°	RUM:ANTN0043	
Omni-directional antenna 2.5-2.7GHz 5.5dBi 360° N-male	RUM:ANTN0051	
Omni-directional antenna 3.6-3.8GHz 6dBi 360°	RUM:ANTN0057	
Antenna (dual slant) 1.3-1.525GHz 10dBi	RUM:ANTN0063	
Antenna flat 3.3-3.8GHz 18dBi 18° N-female	RUM:ANTN0064	
Vehicular antenna 0.68-6.0 GHz, 6dBi	RUM:ANTN0065	
Antenna (dual slant) 1.78-1.85GHz 12dBi N-female	RUM:ANTN0066	
Sector antenna 2.3-2.7 GHz, 16 dBi 65° X-Pol	RUM:ANTN0068	
Antenna (dual slant) 4.9-6.1GHz 22.5dBi N-female	RUM:ANTN0073	
Omni-directional antenna 806-5935MHz 9.5 dBi N-female	RUM:ANTN0075	
Omni-directional antenna 4.9-5.875GHz 9.5dBi N-female	RUM:ANTN0076	
Vehicular antenna 2.3-6.1GHz 8dBi N-female	RUM:ANTN0077	