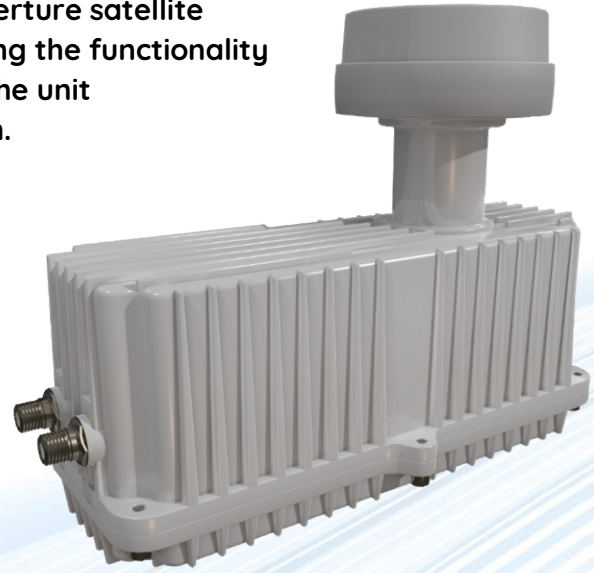


C8200 is an Internet connectivity complete Very Small Aperture satellite Terminal (VSAT). C8200 is an all-outdoor terminal providing the functionality of BUC, LNB and modem within a single integrated unit. The unit packs a complete terminal into a compact outdoor design.

The C8200 is designed around a System on Chip (SoC) architecture providing the power of Software Defined Radio (SDR) and allowing flexibility of future waveform adaptation and customization.



## Features and Benefits

- All-outdoor fully-integrated terminal, reflector, feed system, transmitter, receiver and satellite “modem”.
- Single cable installation, simplifies and reduces installation costs.
- Layer-3 IP connectivity.

## Typical Applications and Uses

- Machine to machine (M2M) applications, SCADA and Industrial IoT (IIoT).
- Rural Internet access.

## Specification

Unit Characteristics	
Form Factor	All outdoor complete terminal.
Installation	<ul style="list-style-type: none"> <li>▪ Single RG6 coax cable to indoor power-injector and Eth port.</li> <li>▪ DIY installation option.</li> </ul>
Typical Applications	<ul style="list-style-type: none"> <li>▪ Rural Internet access.</li> <li>▪ Machine to machine (M2M) applications, SCADA and Industrial IoT (IIoT).</li> </ul>
Forward Link / RX	
Technology	DVB TDM Forward Link.
Channel Rate	Up to 72MHz.
Waveform	DVB-S2/S2X ACM, GSE encapsulation, QPSK up to 256APSK LDPC/BCH.
Channel Spacing	5%, 10%, 20%, 25% or 35% channel spacing (roll-off factor).
Return Link / TX	
Technology	<ul style="list-style-type: none"> <li>▪ MF-TDMA CF-DAMA (Combined Free and Demand Assigned Multiple Access).</li> <li>▪ Terminal built-in Uplink Power Control (ULPC) and network-wide PowerACM™ link variability mitigation providing support for Ka, Ku and C-band.</li> </ul>
Channel Rate	64Ksps up to 1024Ksps.
Waveform	BPSK, QPSK, 8PSK.
Channel Spacing	10%, 15%, 20% or 25% channel spacing (roll-off factor).

### IP Services and QoS

Interfaces	1x 10/100/1000 Mbps Eth RJ-45 provided at indoor power-injector.
Download Speed	Up to 20Mbps.
Upload Speed	Up to 1Mbps.
Connectivity	Layer-3 with built-in NAT and DHCP.
QoS	Built in embedded QoS support integrated with Forward and Return Link ACM.
Multimedia Support	<ul style="list-style-type: none"> <li>▪ VoIP, video-over-IP / video-conferencing Virtual Telephony™ support.</li> <li>▪ Multimedia QoS support, bandwidth assurance for clear VoIP QoE.</li> </ul>

### Environmental and Mechanical

Weight	Complete outdoor terminal weight less than 10Kg.
Power	<ul style="list-style-type: none"> <li>▪ Universal 100-240V AC 50/60Hz indoor power supply/power injector provided.</li> <li>▪ Up to 30W including installation and integrated outdoor unit.</li> </ul>
Operating Temperature	-10 to +60°C.
Certification	CE, FCC, RoHS, IP67.

### Available Configurations

75cm reflector, 1W Ku-band linear polarization, Tx: 13.75-14.50GHz Rx:10.70-12.75GHz.