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IRIDIUM CERTUS® Maritime Terminal



FEATURES

IRIDIUM CERTUS® TERMINAL DESIGNED FOR MARITIME AND SUITABLE FOR THE SMALLEST VESSEL OR USV

The Intellian C200M has been designed and manufactured as a small and lightweight terminal that will fit on any vessel or USV. Many of the features and underlying technology of the C200M are common with the market leading Intellian C700 Maritime terminal that is trusted globally for its reliability and performance.

The Intellian C200M provides IP data speeds of up to 176 kbps (up and down), supports multiple concurrent voice calls, and can be configured as a stand-alone terminal or as a VSAT companion. Customers will gain both scalability and advanced performance over the Iridium Certus network whenever needed.

LOWER TOTAL COST OF OWNERSHIP

Intellian focus on delivering value to our customers through low total cost of ownership. This comes from building highly reliable terminals that are easy to install and have a wide range of features and functionality that reduces the amount of additional equipment required and minimises air time costs through automatic WAN switching and preventing out of policy usage. Intellian's responsive global support teams are there to help if needed and the terminal comes with a market leading 3 year parts and labour warranty.

ALL-IN-ONE SOLUTION

The C200M terminal delivers unparalleled features and functionality that include: WAN mediator, Wi-Fi antenna, built-in soft PABX & firewall and will be GMDSS-capable upon its introduction to Iridium Certus. Bringing all these features together in one package simplifies installation & configuration, and eliminates the possibility of conflicts that can occur when these features are provided using connected equipment.

SYSTEM HIGHLIGHTS

- Designed for Maritime market
- IP data speeds of 176 kbps up and down
- Excellent low elevation angle performance keeps vessels connected in heavy seas
- Easy installation and simple configuration
- Built-in WAN mediator
- Wi-Fi antenna
- Built-in firewall
- GMDSS ready
- Three simultaneous high quality voice lines
- 4-Port Ethernet (LAN) PoE and WAN
- Connect up to 16 SIP phones with Soft PBX function
- Designed for 10-year operational lifetime
- 3 year global warranty - parts and labour

C200M

IRIDIUM SERVICES

Voice	3 simultaneous HD voice lines
IP Data	Uplink: up to 176 Kbps / Downlink: up to 176 Kbps

PHYSICAL

ADU Dimensions	230 x 142 mm / 9.05" x 5.6"
ADU Weight	3.2 kg / 7.05 lb
BDU Dimensions	280 x 190 x 41 mm / 11" x 7.2" x 1.45"
BDU Weight	1.2 kg (stand-alone type) / 2.6 lb

POWER

DC Input	10.8 ~ 30 V DC
Power (max)	120 W

RF / ANTENNA

Tx Frequency	1616 MHz ~ 1626.0 MHz
Rx Frequency	1616 MHz ~ 1626.5 MHz
Antenna Gain	HGA 2 Class
Antenna Connectors	TNC female (ADU) – TNC female (BDU)
GNSS	GPS, GLONAS, Galileo
Wi-Fi	802.11 b/g

APPROVAL

Certification	CE/RED, FCC
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ENVIRONMENTAL CONDITIONS

Operating Temp. range	ADU: -25°C ~ +55°C, BDU: -15°C ~ +55°C
Operating Humidity range	More than 95%
Water Ingress	ADU: IP56, BDU: IP31
Shock & Vibration	Shock: IEC60068-2-27 (operation), IEC60721-3-6 Class 6M3 (survival)
	Vibration: IEC60945 (operation), IEC60721-3-6 Class 6M3 (survival)

I/O

LAN	3 x RJ45 (2 PoE)
WAN	1 x RJ45
Analog Phone	1 x RJ14 (2 x Analog Phone)
Wireless	1 Wi-Fi (SMA RP)
I/O	10 pin GPIO
Etc.	SIM, Reset, On/Off, Ground

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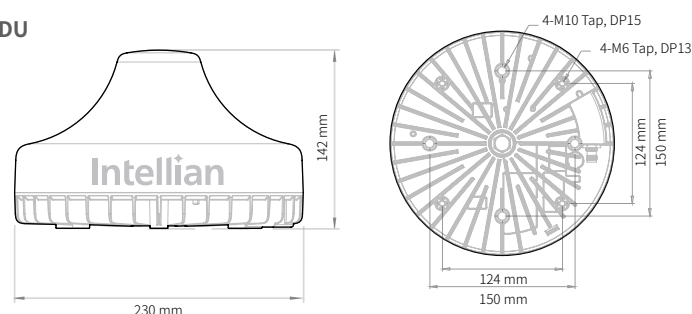
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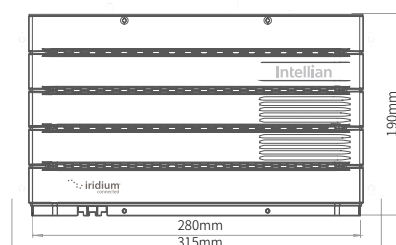
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SYSTEM DIMENSION

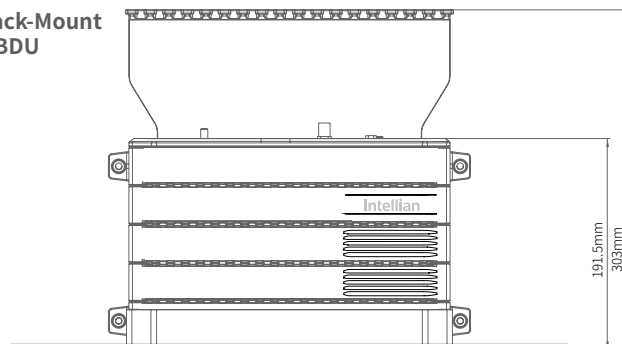
ADU



Stand-Alone Type BDU



19" Rack-Mount Type BDU



SYSTEM DIAGRAM

