

## iDirect CX700 'Rugged' Outdoor Modem

The CX700 is a high-performance satellite router board that supports both fixed and mobile integrated terminals.

Key markets include maritime, oil and gas, satellite news gathering (SNG), and government applications. The CX700 also features 256-bit AES encryption and a 4-port embedded switch for managing multiple user groups.

The CX700 'Rugged' is a low-cost ruggedised package for the standard X7 satellite router enabling operation in harsh, dusty and wet environments supporting a wide range of IP services like internet/intranet access, VoIP, enterprise connectivity and multicasting services with the advantage of outdoor operation.

Designed specifically to support business-critical applications, the CX700 'Rugged' is ideally suited for high-performance broadband applications such as enterprise connectivity, cellular backhaul, maritime, secure banking, and other mobile applications where the modem cannot be protected.



- Sealed to IP65 (Dust and Rain)
- Optional antenna pointing aid (MPAD2)
- Communications-on-the-Move (COTM) support
- 4-port VLAN aware switch and CONSOLE port
- Optional AES Encryption
- Selectable 10MHz/50MHz to support multiple bands
- Multi-image support and Web iSite

## Satcom Interfaces

|                      |   |
|----------------------|---|
| TX Out:              | TNC, 950–1950 MHz, 5dBm/-35dBm (75Ω)  |
| RX In:               | TNC, 950-2150MHz, -5dBm (max) composite/-130 10*Log10 (Sym rate) dBm (min) single carrier |
| Reference Clock Out: | 10/50 MHz, /-10 ppm stability, 0 dBm -3/ 4 dB power                                       |
| LNB IFL Interface:   | 14-19 VDC, 500mA (max)  |
| Data Interfaces LAN: | 4X IP65 rated 10/100, 802.1q VLAN   |



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## Outdoor Modem

### Mechanical / Environmental

|                       |   |
|-----------------------|---|
| Size                  | W 360 x D 402 x H 90                            |
| Weight                | 2.5Kg   |
| Operating Temperature | 0° to +50°C                                     |
| Humidity Max          | 100% non-condensing humidity                    |
| Router Input Power    | 24VDC, 5A (max) up to 40°C, 4A (max) 40 to 50°C |

