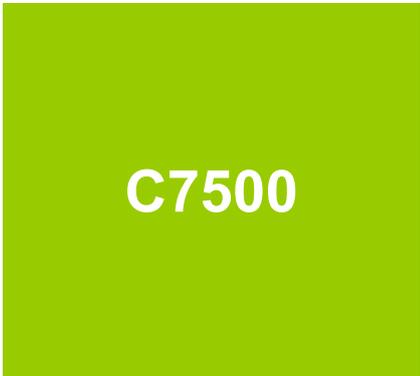


# EV-DO Cellular Module

The C7500 is a powerful, cost-efficient module. It can be easily integrated into the applications offering Data, SMS and Voice solution on CDMA 1xEV-DO Revision A networks.

In high performance, it operates globally on 800 MHz band CDMA networks and enables data connection at speed up to 3.1 Mbps downlink and 1.8 Mbps uplink.

Except used as a standard wireless modem through AT command, It offers Audio, SMS, MMS, Phonebook. It is ideal for a wide range of products including Tablet, Gateway, Telematics, Tracking solution, Security solution and much more.



-  CDMA1xEV-DO Revision A
-  UART interface
-  SMD or LGA connector
-  Best choice for portable devices
-  AT Command

-  Ultra small size
-  M2M application
-  Router application
-  USB 2.0 interface

-  RoHS compliance
-  Windows CE/XP/Vista/7 operating system
-  Linux operating system
-  Monitor



# C7500 EV-DO Cellular Module

## General features:

- IS-856-A (CDMA 1xEV-DO Revision A)
- IS-856 (CDMA 1xEV-DO Rev 0)
- IS-2000 (CDMA 1xRTT)
- IS-95 A/B
- IS-707-A Data
- IS-637-A SMS
- IS-683-A Service Provisioning
- IS-683-B (partial)
- Single Band 800MHz
- RX diversity in 800MHz band
- Control via AT commands (Hayes 3GPP TS 27.007 and 27.005)
- Supply voltage range: 3.3 ... 4.2V
- Low Power consumption
  - Sleep mode <3mA
- Temperature range
  - Normal Operation: -20°C to +65°C
  - Restricted Operation: -30°C to +75°C
  - Storage: -40°C to +85°C

## Approvals:

- RoHS

## Specification for CDMA 1xEV-DO Rev A

(IS-856-A) data transmission:

- Downlink up to 3.1 Mbps
- Uplink up to 1.8 Mbps

## Specification for CDMA 1xEV-DO Rev 0

(IS-856) data transmission:

- Downlink up to 2.4 Mbps
- Uplink up to 153.6 Kbps

## Specification for CDMA 1xRTT data:

(IS-2000) transmission:

- Down and up link speeds up to 153.6Kbps

## Specification for SMS:

- Point-to-point MO and MT
- SMS cell broadcast
- Text and PDU mode

## Specification for voice:

- IS-127 and IS-733-A Optional Vocoders

## Special features:

- Improved power-saving modes
- USB driver for Microsoft® Windows® 2000, Windows® XP, Windows® Vista32/64, Windows® 7
- USB driver for devices based on Microsoft® Windows Mobile™ 5.0 and its Successor

## Interfaces:

- 37-pins stamp-hole connector
- Size 25\*28\*2.2mm
  - Power supply
  - USB 2.0 full speed
  - UIM/RUIM card interface 3 V, 1.8 V
  - UART
  - Analog Audio
  - PCM
  - Reset
  - LED
  - Antenna
  - Wake up in/out
  - GPIOs

## Typical application scene:

- Ultra-thin Tablets
- Telematics