



4G CELLULAR MODEM

DDCM SERIES



FEATURES

- USSD, 0710 MUX protocol embedded TCP/UDP protocol
- PPP Stack, FTP/HTTP, Non-Transparent mode
- MMS, SMS support
- Output power < 35 dBm
- Sensitivity < -110 dBm
- Control via AT commands (GSM 07.07 and 07.05)
- GPRS multi-slot Class 12/10/8
- Complaint to GSM phase 2/2+
- Coding Scheme: CS1 to CS4
- CSD up to 14.4 kbps
- Plug & Play design with easy-to-use interface
- Support TCP Server.

TECHNICAL SPECIFICATIONS

BAND & DATA RATE		
4G Modem	(For India only)	
	LTE FDD B1/B3/B5/B8 LTE TDD B38/B39/B40/B41 WCDMA: B1/B8 TD-SCDMA: B34/B39 CDMA: BC0 GSM 900/1800MHz	
CSD	Downlink/Uplink up to 14.4kbps	
Data Rate	LTE FDD	Max. 150Mbps (DL) & Max. 50Mbps (UL)
	LTE TDD	Max 130Mbps (DL) & Max 35 Mbps (UL)
	DC-HSDPA	Max 42 Mbps (DL)
	HSUPA	Max 5.76 Mbps (DL)
	WCDMA	Max 384 Kbps (DL)/Max 384 Kbps (DL)
	TD-SCDMA	Max 4.2 Mbps (DL)/Max 2.2 Mbps (UL)
	EVDO	Max 3.1 Mbps (DL)/Max 1.8 Mbps (UL)
	1x Advanced	Max 307.2 Kbps (DL/UL)
	EDGE	Max 296 Kbps (DL)/Max 236.8 Kbps (UL)
	GPRS	Max 107Kbps (DL)/Max 85.6 Kbps (UL)

HARDWARE

CPU	Industrial-grade 32-bit communication processor
FLASH	512KB (Can customize to 8MB)
SRAM	256KB

INTERFACE & PROTECTION

Interface	RS232 (3 Pin over, 12 pin Screw type Terminal block) RS485 (2 Pin over, 12 pin Screw type Terminal block)
Protection	RS232 / RS485 Port 15KV protection

POWER SUPPLY

24V DC (Range: 5 to 36V DC)
Screw type 2 pin over 12 pin Screw type Terminal block

Power consumption

0.8W @24V DC During no communication when network registered
1.6W @24V DC During data/SMS mode

PHYSICAL CHARACTERISTICS

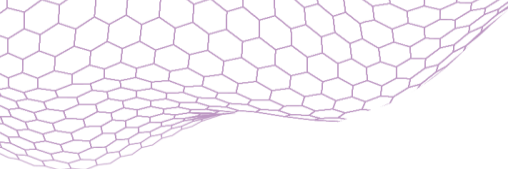
Dimension	91x58.5x22 mm (only enclosure)
Enclosure	Metallic Enclosure IP30 with DIN rail mounting
Weight	205gm

ENVIRONMENT

Working Temperature	-35~+75°C
Storage Temperature	-40~+85°C
Relative Humidity	Upto 95% RH (Non-Condensing)

LED DISPLAY

Network status, Power ON and Tx/Rx



GSM MODEM ACCESSORIES

Antenna

50Ω SMA Female Connector
High Gain Antenna is available as option

SIM & HOLDER

Push Type.
UIM/SIM (1.8V/3V)
Customer to provide suitable SIM Card

ORDERING INFORMATION

DDCM 81U

DDCM

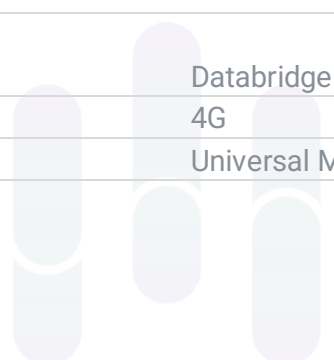
Databridge Dynamic Cellular Modem

81

4G

U

Universal Model with RS232 and RS485 Port



DATA BRIDGE
D Y N A M I C