

## Short range wireless terminal Master unit CSL2302-M

- State of the art design for industrial applications
- Transparent mode of operation
- Suitable for Point to Point and Point to multipoint topology
- Wide range power supply
- Data rate up to 100kbps
- Long range wireless coverage
- Provision for external antenna for outdoor applications



V2

### TRANSCEIVER SPECIFICATIONS

Output power	Max 20dBm (Adjustable 5 ~ 20dBm)
Frequency band, modulation	433 MHz LoRa modulation
Transmission range	Up to 3 KM in Line -Of-Sight
RF data rate	Up to 100Kbps
Receiver sensitivity	-140dBm

### NETWORKING

Supported network topologies	Point-to-Point, Point-to-Multipoint
Maximum nodes	65535
Security	PAN ID based network
Data interfaces	RS485 Or RS232 with max baud rate of 115200bps
Protection on data interface	Transient and ESD surge arrestor on RS485 port

### ANTENNA SPECIFICATIONS

RF connector	SMA (F) Connector 50Ω
Antenna type	Quarter wave rode antenna [or YAGI for Long distance communications]

### ELECTRICAL PARAMETERS

Power supply	Range 8 ~ 30VDC   Standard power adaptor:12 VDC 500mA
Power consumption	2W max   25mA Idle mode   200mA transmission @ 12VDC
Protection features	Reverse polarity protection, over current protection using poly-fuse-0.5A

### ENVIRONMENTAL

Environmental conditions	Operating temperature -40° to +70°C; 10% to 90%Rh(non-condensing)
--------------------------	---

### PHYSICAL

Dimensions	85 X 69 X 26 mm   Mounting options: DIN rain clip or flange
Weight	120g

NOTE: PRODUCT SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE, TO IMPROVE ELIABILITY, FUNCTION OR DESIGN OR OTHERWISE.  
MESH CONFIGURATION: NOT A FIELD CONFIGURABLE FEATURE, NEED TO CONFIGURE AT FACTORY ONLY, MESH PROTOCOL IS USABLE FOR CUSTOME APPLICATIONS ONLY



### Cellcomm Solutions Limited

Plot No 38, KIADB Hardware Park, Mahadeva kodigehalli, Bagalur,  
Bangalore- 562 149 INDIA. Tel: +91-9986075859,

Email: [info@cellcommsolutions.com](mailto:info@cellcommsolutions.com) Website: [www.cellcommsolutions.com](http://www.cellcommsolutions.com)

