CSL1600
Datalogger
IoT Gateway

Cellcomm
Redefining Wireless Connectivity

ETHERNET
Interfacing with local area network

SERIAL INTERFACES
Supports RS232/ RS485 /SDI12

MODEM
Telemetry Service Supports 4G/3G/2G

GPS RECIEVER
Location & Time Sync

USB PORT
Download the data

SDHC MEMORY
Logging the data

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Core	ARM Cortex-M4 processor core, 120-MHz operation, 1024 KB Flash memory 256 KB single-cycle System SRAM
RS232 Ports	3Port RS232 interface, supports baud rate up to 115200bps Configurable functions as per requirements
RS485 Port	1Port 2wire RS485, Configurable as master or slave Supports MODBUS protocol, Baud rate supports up to 115200bps
CAN Port*	CAN protocol version 2.0-part A/B, Bit rates up to 1 Mbps
SDI12 Port	Supports multiple SDI12 sensors, Configurable sensor address. +5V power out available for sensor excitation, Terminal block connectors
Quadrature input	Designed for interfacing rotary encoders, Ports A, B and one Index +5V out for encoder supply
Digital Outputs	4Channel Digital out ports, Open collector type for sink outputs Capable of handling load 200mA@12VDC
Analog Inputs	4High speed channels + 16 Channel analog inputs* Range: 0 ~ 5V or 0 ~ 20mA	Sampling 1Hz ~ 100Hz All channels are configurable for voltage or current inputs, Resolutions: 24Bit
Digital Inputs	16 Channel digital inputs, 5V tolerant suitable for potential free contacts Configurable for counters or status function
LAN	10BASE-T/100BASE-TX IEEE-802.3 compliant, Supports 10/100 Mbps data rates. Supports TCP/IP protocol, RJ45 port with built in magnetic isolation
USB	USB 2.0 high-speed, Protection on USB power
SD Card	Expandable up-to 32GB, push to eject type card extraction
Data transmission (Modem)	Built-in 4G/LTE modem* - TCP/IP, FTP protocols, SMS and E-mail options, External antenna with 3mtrs cable*
Expansion card*	4 Port RS232 and 4 Ch digital output
GPS	L1 Band receiver (1575.42MHz), Horizontal position accuracy- <2.5 m CEP -148dB sensitivity, External active antenna with 3mtrs cable
Power supply	Range 8 ~ 24VDC, Consumption – 4W max @ peak operation Protection against overload, reverse polarity
Clock	Built-in Real-Time Clock with battery backup. Time sync from GPS
User interface Display & Indication Keypad interface	4line LCD character display LED indications for status, logging, GSM status and power
	3x3 keypad for menu settings and measurement reading Password protection against unauthorized access to system settings.
Environmental	Operating temperature: -40°C ~ +70°C	upto 95%RH (non-condensing) IP20 Ingress Protection
Mechanical	Dimensions: 225 x 185 x 40mm, Weight: 760g (Excluding accessories) Installation: Tabletop, or DIN rail mount
Accessories	LAN cable. RS232 cable, SD card, GSM and GPS antennas, User manual and power adaptor.
Regulatory compliances	CE	RoHS	EMI/EMC	IEC60950

*Not part of standard unit

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