MULTI
Let's Create New Concepts of Instruments

DATA SHEET

MDCU-1X for MLFI-69X Data Collection Unit

Features

+Up to 9 devices can be connected simultaneously (connection stability is poor), but 6 simultaneous connections are recommended.
+Long distance communication IEC101/IEC104/DNP3.0/Modbus to connect with SKADA system.

Specifications	Performance
Remote communication	2G/3G/4G
SIM card	Support dual SIM card mode
Protocol	IEC 60870-5-104/IEEE Std 1815-2012 DNP3.0/Modbus
Support SMS alarm	Support up to 5 mobile phone contacts
Server Center	Support dual centers
Communication with LFI	Bluetooth 5.0, Enabled: Power Activation
Communication with LFI distance	≥20m
Access Capability	≤6
Bluetooth direct connection	DCU supports direct connection with APP or PC tools
Pairing function	After the DCU starts Bluetooth, add via APP
Security	AES-128
Fault count	Permanent and Transient Fault
Line power outage detection	Current loss Voltage loss
Abnormal charging alarm	If the solar panel (AC power supply) cannot charge the battery for more than 24 hours, a charging abnormality alarm will bereported
Phase loss alarm	When the paired indicator connection is abnormal/lost, an alarm is reported
Location finder	GPS/Beidou via APP
Event Storage	Supports storage of up to 300 event records(loop storage)
Restart function	Support SCADA remote restart Support device auto-restart
Time synchronization	Support synchronization of local PC time Support time synchronization with the SCADA
Local maintenance	Support OTA(Over-The-Air) upgrade
Operation Environment	Temperature -40°C-+85°C Humidity ≤95% Altitude ≤ 2000m
Power supply	Main power supply: Solar power access Backup power : Rechargeable lithium battery
Single battery power supply	≥ 7 days
Service life	10 years
Interface	RJ45/RS232
Mechanical properties	Protection Class IP54, Material: stainless steel, Weight: Approx. 3.5kgs
Power Tips	Green LED
Door opening detection	Optional

Application Examples

