



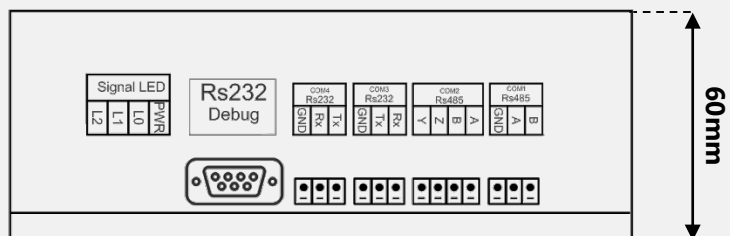
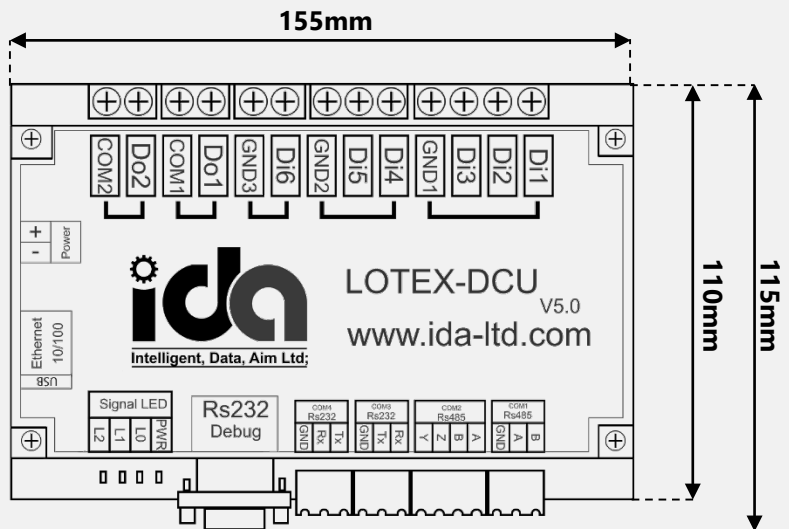
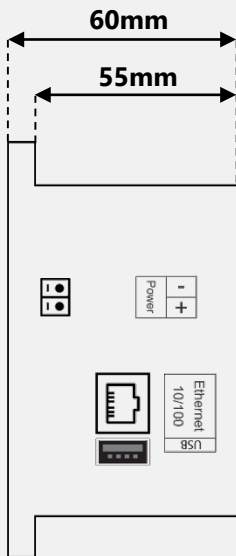
# LOTEX-DCU Modem V5.0 Data Sheet

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## Main usage:

The main use of the DCU is to continuously receive data from measuring devices connected to the input ports and send this data to SCADA system through the Modbus protocol. This DCU has various analog and digital inputs for different uses. For example water industry, electricity, gas, petrochemical transmission and control networks. This gives the ability to turn devices connected to DCU to send ON/OFF commands to use it when It's necessary without wasting time.



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## Use Cases

- Automotive industry
- Plastic industry
- Heavy Industries
- Chemical industry
- Food industry
- Extraction and packaging systems
- Machine industries
- Transportation industries
- Energy conversion industries
- Building services

## Diagnostics

- Debug mode
- Ethernet SSH



## Protocols

- Modbus

## Package Content

- user Manual
- CD

## Interfaces

- Supports Ethernet (WAN) interface
- Supports Serial interface

## Data Interface

- Serial port: Supports RS232/RS485
- Baud rate: 1,200bps to 1M bps



A digital card to get 6 input digital signal



2 output ports for on/off the connected devices remotely



Data storage when communication network is disconnected.

# LOTEX-DCU Modem V5.0 Data Sheet

System Information	
Processor	Quad-core Cortex-A7
CPU Frequency	1.2GHz
Ram	256MB/512MB
Memory SD	16GB/32GB
Basic Parameter	
Size	110 x 155 x 60 mm
Operating Temp.	-30 ~ 75°C
Storage Temp.	-30 ~ 85°C, 5 ~ 70% RH
Input Voltage	DC 9 ~ 36V
Working Current	110mA(aver)@ 24V
Power	<2.64W
Operating System	
Linux	Armbian Buster
Ethernet	
Port Number	1
Interface Standard	RJ45
Rate	10/100 Mbps MDI/MDIX, auto switch between cross and direct connection
Network Protocol	IP, TCP, UDP, DHCP, DNS, HTTP, ARP, ICMP, Web socket, Httpd client
LED	
LED PWR	Blue LED power on
LED L0	Green LED software running
LED L1	Orange LED connection to device getting data from devices
LED L2	Red LED connection to Scada
Serial	
Port Number	1*RS-232 Debug / 2*RS-232 / 1*RS-485 half duplex / 1*RS-485 full duplex
Interface Standard	RS-232: 3 wire (Tx, Rx, G) / RS-232: 3 wire (Rx, Tx, G) RS-485 half: 3 wire (B-, A+, G) RS-485 full: 4 wire (A+, B-, +Y, -Z)
Data Bits	5, 6, 7, 8
Stop Bit	1, 2
Check Bit	None, Even, Odd, Space, Mark
Baud Rate	RS-232: 600 bps ~ 230K bps, RS-485: 600 bps ~ 1M bps
Flow Control	RTS/CTS
Buffer	Send and receive 2k bytes respectively
Protection	RS-485: anti-static 2KV, lightning protection
RS-485 Pull-up and Pull-Down Resistor	4.7 KΩ
Input	
Di1	Digital Input1
Di2	Digital Input2
Di3	Digital Input3
Di4	Digital Input4
Di5	Digital Input5
Di6	Digital Input6
Output	
Do1	Digital Output1 (1A 12VAC, 2A 24VDC)
Do2	Digital Output2 (1A 12VAC, 2A 24VDC)
More	
Certificate	-
Warranty	1 years





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