



EcoNode605 Datasheet

APPELLATION: EMS

PRODUCT MODEL:EcoNode605

EcoNode605 Datasheet

Key Item	Specification	Remark
Power Supply		
Supply Voltage	12~36Vdc	10KV ESD protection
Environmental Conditions		
Operating Temperature Range	-40°C ~ 80°C	
Storage Temperature Range	-40°C ~ 60°C	
Max. Operating Altitude	≤ 3000m	
Humidity	0% ~ 90% relative humidity (non-condensing)	
Degree of Pollution	2	
Processor		
CPU	RK3568J	High-performance 64-bit quad-core processor; Industrial-grade chip
CPU Clock Frequency	2.0GHz	
DDR4	2G	Onboard LPDDR4, 2GB (optional 4GB/8GB)
eMMC NAND Flash	16GB	Onboard eMMC 16GB (optional 32GB/256GB)
wireless communication interface		
4G/5G	1	supports standard 3G/4G/5G communication modules
WIFI	1	IEEE802.11b/g/n/a/ac 2T2
wired communication interface		
LAN	3	RJ45 10M/100Mbps/1000Mbps
WAN	1	RJ45 10M/100Mbps/1000Mbps
RS232	2	
RS485	6	isolated RS485 (2 channels with RS232 multiplexing), isolation voltage 3kV
CAN	2	2-channel isolated CAN
HDMI	1	
SIM	1	
SSD	1	
TF	1	

USB	3	TYPE A: one USB 2.0 port, one USB 3.0 port, and one Type-C port
LED		
4G	1	
WIFI	1	
PWR	1	
STATUS	1	
LED1	1	
LED2	1	
LED3	1	
LED4	1	
Enclosure		
Dimensions	115mm x 163mm x 51mm	
Color	Gray-white	
Weight	310	
Mounting method		rail-mounted
Safety features		
Watchdog Timer	1	1 CPU watchdog, 1 external hardware watchdog
Encryption Chip	1	I2C interface encryption chip, MOD8ID
n-Pin Connector		
DO	8	8-channel relay type (5A 220VAC/28VDC)
DI	8	8-channel dry/wet contact digital input
Button		
RESET	1	
BOOT	1	
USR	1	

EcoNode605 Interface

