

INSYS MICROELECTRONICS GMBH: ECR-LW300



Physical Properties

Programming Interface	Integrated Linux environment (LXC Container)
Switchboard Installation (DIN rail mounting)	Yes
Device Size	105 × 118 × 42 mm
Weight	290 g
IP Class 1st Digit	4 - Protected against solid objects over 1.0mm e.g. wires.
IP Class 2nd Digit	0 - No protection
Operating Temperature	-30°C / 75°C
Storage Temperature	-30°C / 75°C
Operating Humidity	max. 95%, non-condensing
Storage Humidity	max. 95%, non-condensing
Number of SIM Slots	2
SIM Type	2FF

Electrical Characteristics

External Voltage	12 - 24V DC
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Antennas

GSM Antenna Connector (number)	1
GSM Antenna Connector (standard)	SMA female
WiFi/Bluetooth antenna connector (number)	1
WiFi/Bluetooth antenna connector (standard)	SMA female

Sensors and IO

RTC	Yes
LAN Ethernet	2x
RS 232	Yes
RS 485	Yes
Digital In	2
Digital Out	2

Connectivity

2G	Yes
3G	Yes
4G	Yes
Ethernet	Yes
WiFi	Yes

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Supported Protocol Layers / Frameworks

Siemens S7	Optional
Siemens Logo	Optional
Ethernet IP	Yes
Modbus TCP	Yes
Modbus RTU	Yes
OPC-UA	Optional
Other	Optional via icom Data Suite IEC 60870-5-101 master and IEC 60870-5-104 server, Codesys

System Characteristics

Processor	ARMv7
Storage	3 GB

Certification

CE	Yes
Directive for Radio Equipment	RED
RoHS	Yes
WEEE	Yes
WEEE valid for	DE

Cloud of Things

Connectivity with CoT	REST
SmartREST	Yes
SmartREST Prefix	LW-300_19760823

Safety and Security

TLS	1.2
Encryption mechanisms	AES

Contact

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