

MØ DEVICE



PRODUCT DESCRIPTION

HARDWARE VERSION	MØ_V2
VENDOR (EU DESIGNED & MANUFACTURED)	BOX2M ENGINEERING
CATEGORY	Hardware / Industrial IoT device / Cloud telemetry purposes
STANDARD USE CASES	Energy & Utilities & Environment // for any industrial infrastructure (factory, multipurpose building, energy production & distribution & trading, critical site, maintenance & audit)
WARRANTY	1 year
EXTRA-WARRANTY	1-7 years, on request
COMPLIANCY	CE, RoHS

PRODUCT FEATURES

MICROCONTROLLER	Texas Instruments - ATMEGA 1284P
LOCAL INTERFACE PORT	ModBus / RS485; 2 connectors
FIRMWARE	© BOX2M Engineering "MØ firmware"
LOCAL SECURITY MECHANISM	© BOX2M Engineering "Falx class"
EDGE COMPUTING	Applicable
PROVISIONING PLATFORM	© BOX2M Engineering "Build&Test Platform"
LOCAL DATA GATHERING	Multiple options (directly via ModBus, indirectly via field protocol/signal convertors); any sensor / sensors system type capable; prefab developed drivers for main energy, utilities and environment sensor vendors; new drivers can be built on customer request
CLOUD TRANSMISSION FREQUENCY	Configurable
STANDARD DATA MANAGEMENT PLATFORM	© BOX2M Engineering "Industrial Telemetry Platform"
ALTERNATIVE DATA MANAGEMENT PLATFORM	Any MQTT enabled platform
PROTOCOL	MQTT

ELECTRICAL & ENVIRONMENTAL

POWER SUPPLY TYPE	External	DEVICE PEAK POWER	15W (3A, 5V)
POWER SUPPLY STANDARD INPUT VOLTAGE	230V AC	POWER SUPPLY OUTPUT VOLTAGE / DEVICE INPUT VOLTAGE	5V DC; 2 connectors
POWER SUPPLY INPUT VOLTAGE – OTHER OPTIONS	110V AC, 48/24/12/9 V DC	TEMPERATURE OPERATING RANGE	-40°C to +85°C

MECHANICAL

ENCLOSURE MOUNTING:	DIN rail
ENCLOSURE MATERIAL	Plastic (polystyrene)
BODY & PANEL COLOUR	Grey
SIZE	2U
DIMENSION Y	88mm
DIMENSION X	34mm
DIMENSION Z	62mm
WEIGHT	70g
CONNECTORS	4 (total)
CONNECTORS (TYPE)	Pitch 5mm, steel & tin plate screws

COMMUNICATION

SYSTEM	GSM
BAND	850/900/1800/1900 Mhz
SIM TYPE	Micro, internal slot
STANDARD ANTENNA	Embedded, PCB type
OPTIONAL ANTENNA	External, via UFL-to-SMA embedded connector
DATA SERVICE	GPRS
MOBILE OPERATOR	Any

