

MICROSTAR

# MDA-20-RF

## Pulse Adaptor

Enables Interval data AMR for Pulsing Electricity, Gas, Water Meters



### FEATURES

- Supports pulsing cold water, hot water, gas and electricity meters
- Ultra-low power consumption: Normal Working Current ≤ 10 mA
- Configurable parameters, including meter constant, initial reading
- Stores up-to 24 months of historical data
- Settable upload timeframe according to Interval setting
- External antenna version available for long range communication
- Pulse and Status Indicator LED to indicate adaptor status

### TECHNICAL SPECIFICATIONS

External Dimensions	89mm x 42mm x 55mm
Weight	0.15 kg
Temperature Range	-25 °C ~ +60 °C
Voltage	3.3V DC
Current	≤ 50 mA
Battery Life & AMR Scenarios	a) 60min interval: 15Y & 180PA/EDAT, 6hr UL b) 30min interval: 15Y & 120PA/EDAT, 4hr UL c) 15min interval: 10Y & 90PA/EDAT, 3hr UL
Interval data	Settable range 1 to 60min
Power Supply	8000mAh Battery
Local Communication	RF LoRa 433Mhz ACMA Approved
Typical Communication Range:	120m open area, 40m Multi Level building
Internal antenna version	
Configurable Pulse Constant & Unit of Measure	Electricity, Gas, Water: imp/kWh, imp/m <sup>3</sup>

### APPLICATION

- Convert Non-Smart/Pulse meters to an Interval AMR solution
- Gas, Water and Electricity meter AMR via EDAT
- Local communication via RF LoRa

### BENEFITS

- Collect Interval data from conventional non-smart meters
- High precision internal real-time clock, synchronized by EDAT
- Cost effective way of adding AMR features to existing pulse meters
- Records pulse meter register reading each interval
- Pulse meter register reading enables validation processes



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