

OUR PRODUCTS · AMI

DTZ1513

Three Phase Cellular AMI

GPRS / 3G / 4G / NB-IoT module · Same DTZ1513 platform

DTZ1513 with a cellular module for commercial and industrial AMI without a DCU. Official three-phase ratings remain Class 1.0 / 2.0, 10(100) A, 3×230/240/400/415 V, STS or post-payment, and hot-swappable communications.

4G / NB-IoT	10(100) A	3×230/415 V	IP54
Cellular module	Current rating	Voltage range	IEC 60529

CAPABILITIES

- | | |
|--|---|
| <p>01 Cellular WAN
GPRS / 3G / 4G / NB-IoT on the DTZ1513 three-phase AMI body.</p> | <p>02 Direct HES path
Remote management and reading without RF mesh concentrators.</p> |
| <p>03 STS & post-payment
Utility-selectable prepayment or conventional billing.</p> | <p>04 Event pushing
Anti-tamper and irregularity detection with real-time events.</p> |
| <p>05 DLMS/COSEM
IEC 62056-42/46/47/53/61 interoperability.</p> | <p>06 Field service
RF to HHU, TOU and LED backlight multi-mode display.</p> |



DTZ1513 · Cellular AMI

GPRS / 3G / 4G / NB-IoT · IP54

APPLICATION

C&I AMI without concentrators

Factories, commercial buildings and high-value three-phase points that need cellular backhaul while keeping DTZ1513 metrology and a swappable module.

OEM
Inhemeter / INHE Group

Local partner
Delta Prima Metering
Shah Alam, Malaysia

4G / NB-IoT · STS · TOU · Event push

TECHNICAL SPECIFICATIONS

Engineering reference

Meter ratings from Company Profile 2024; communication module is GPRS/3G/4G/NB-IoT.

■ Electrical & metrology

Rated voltage	3×230, 240 / 400, 415 V
Current	10(100) A
Frequency	50 Hz
Active accuracy	Class 1.0
Reactive accuracy	Class 2.0
Impulse constant	1000 imp/kWh
Terminal layout	BS 5685
Display	LED backlight, multi-mode
Payment modes	STS / post-payment
Connection	Direct, three phase

■ Cellular AMI

Module	GPRS / 3G / 4G / NB-IoT
AMI ready	RF, PLC & GPRS platform
Modem	Ready (hot-swappable)
Prepayment	STS standard
Protocol	DLMS/COSEM IEC 62056
HHU	RF communication to HHU
TOU	Time-of-use supported
Anti-tampering	Yes, with event push
Remote functions	Management & reading
Gateway	Not required

■ Environmental

Operating temperature	−25 °C to +80 °C
Ingress protection	IP54 IEC 60529
Frequency	50 Hz
Impulse	1000 imp/kWh
Backlight	LED supported
Design	Modular AMI meter
Typical users	C&I and residential
Quality system	ISO 9001:2015
Calibration lab	SAMM 790 / ISO/IEC 17025

■ Standards

General	IEC 62052-11
Active / reactive	IEC 62053-21 / 23
Data exchange	IEC 62056-42, 46, 47, 53, 61
IP code	IEC 60529
Terminals	BS 5685
Accuracy	Active CL1.0, Reactive CL2.0
Protection	IP54
STS prepayment	Utility selectable
Manufacturer	Delta Prima Metering

Request technical documentation

Type-test evidence, AMI integration notes and project quotations:
info@deltaprima.com.my · +603-5524 3154

Delta Prima Metering Sdn Bhd
12A, Jalan 15/22
Tiong Nam Industrial Park
40200 Shah Alam, Selangor