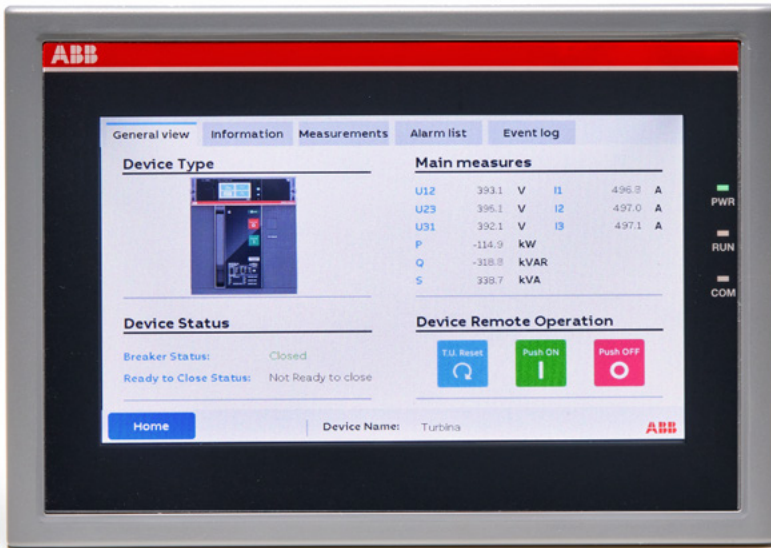


PRODUCT NOTE

# Lite panel

One digital panel fits all



Lite Panel is the new switchboard HMI able to monitor and control until 28 electrical assets at the same time, directly connected in the on-premise communication network, showing their data as digital twins through predefined templates.

## Value proposition



### Safety

Monitoring and control the electrical assets, also with fault detections and diagnostics data check, far from the switchboard power sections reduce the risk of serious incidents.



#### STAKEHOLDER:

MAINTENANCE TECHNICIANS / INSTALLERS



### Easy to install

The plug&play panel architecture saves more than 4 times the components and wirings compared to traditional market benchmarks.



#### STAKEHOLDER:

PANELBUILDERS/OEMS



### Energy efficiency

Supervision of assets status, energy and power quality from a unique panel improves the data collection efficiency with less 70% of time spent nearby electrical rooms and enables analytics to plan saving actions



#### STAKEHOLDER:

FACILITY MANAGERS



### Optimum interface

Until 28 digital-twin devices are available from a single interface within the local secure network, so leveraging on the already present communication tag points.



#### STAKEHOLDER:

SYSTEM INTEGRATORS

## Market segments



### Commercial

Office buildings, hotels, shopping malls, banks, smart districts, campus, schools, institutions, hotels, resorts, hospitals.



### Industrial

Waste&water, food&beverage, automotive, manufacturing, mining, oil&gas.



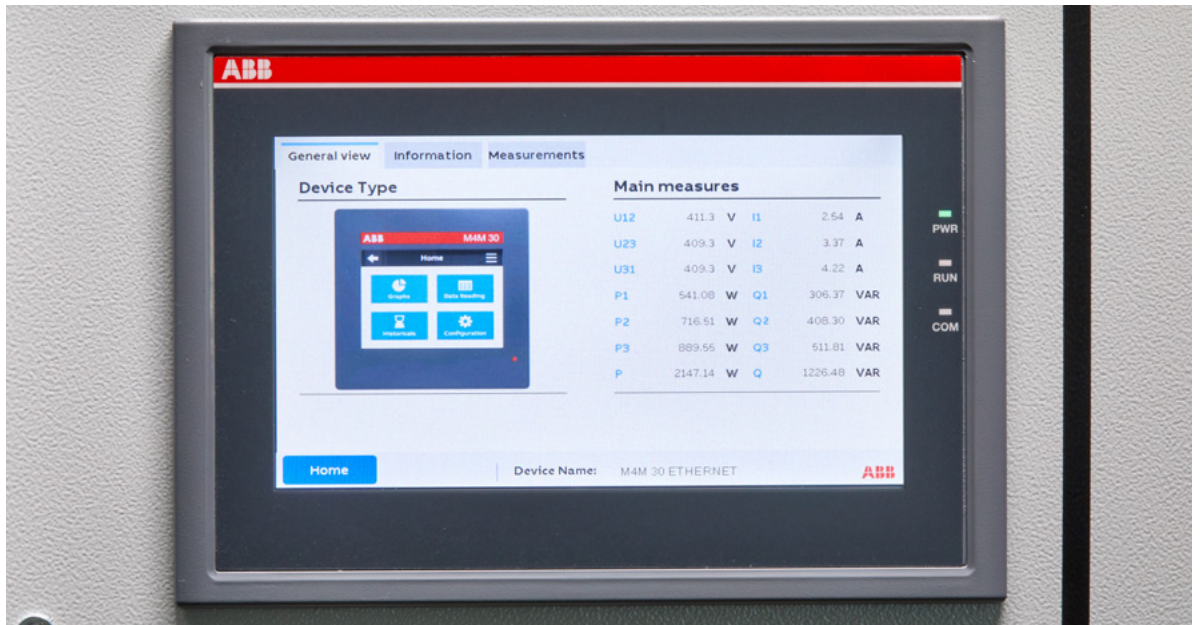
### Infrastructures

Airports, railway, fire stations, police stations, datacenters.

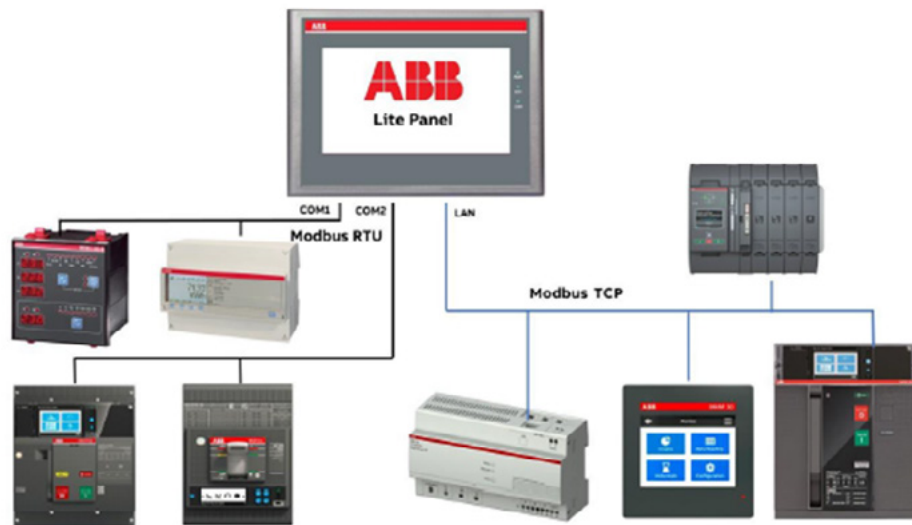


### Marine

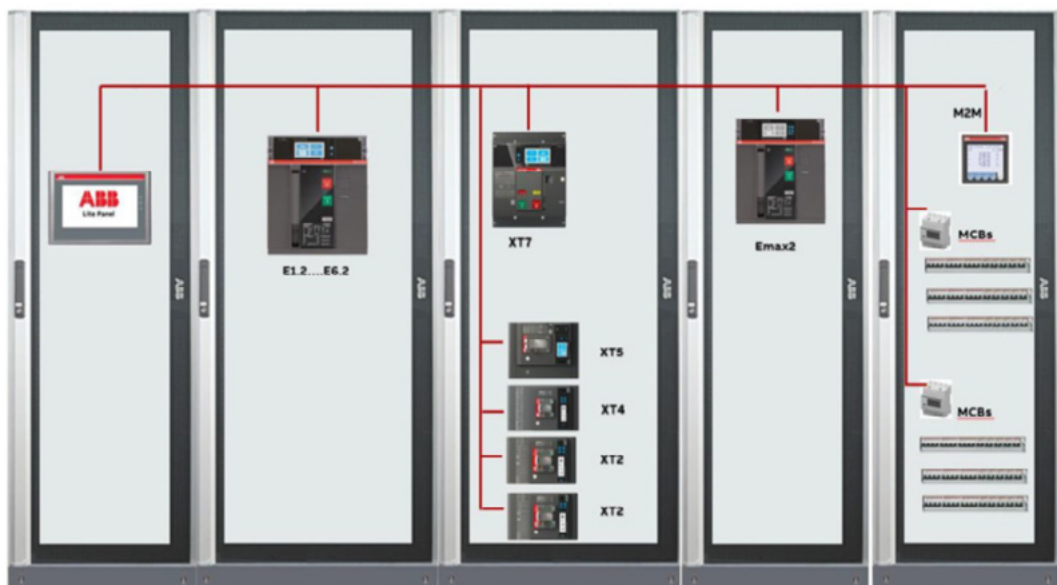
Light vessels, cruise ships, ferry boats.



## Technical data



- Product already integrated: Emax 2, Tmax XT, Ekip UP, TruOne, ITS2, CMS700, M4M, M2M, EQmeters, DMTME, IM300
- Communication ports: 1 x RJ45, 2 x RS485
- Automatic scan: up to 20 devices by Modbus TCP/IP and 8 devices by Modbus RTU at the same time, + 1 USB port for fw upgrade by ABB authorized personnel
- Monitoring:
  - measure data like power, energy, current, voltage, power factor, power quality (harmonics for current and voltage up to 50th, THDv/i, voltage hourly average – sags – swells - spikes – unbalances - dips);
  - Maintenance data like number of operations and trips, contact wears, fw versions, serial numbers;
  - Diagnostics data like trips, warning, alarms, event and audit log, status;
- Control:
  - open, close and reset commands by fieldbus
- Languages: English and Chinese with manual built-in the Panel
- User administration: 5 level of user profiles to grant different access permissions by passwords (Administrator, Developer, Engineer, Operator, Guest)
- Installation conditions:
  - Door-mounted
  - -20°C ...60°C
  - 10%...90% relative humidity
  - NEMA 4 / IP65 (front panel)
  - 10...25Hz shock vibrations
- Power supply: 24Vdc
- Certifications: CE and FCC marked, cybersecurity assessed (no internet or BLE connectivity at all)
- Panel dimensions [mm]: 203x145x38 mm (7" touch color display + 3 operator leds)
- Panel cut-out [mm]: 192x138



View the manual

Commercial code	Description
1SDA114809R1	Lite Panel



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24123 Bergamo (BG)

[abb.com/low-voltage](http://abb.com/low-voltage)

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