**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.

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

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

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