ABB

AC500-eCo: The advanced DDC
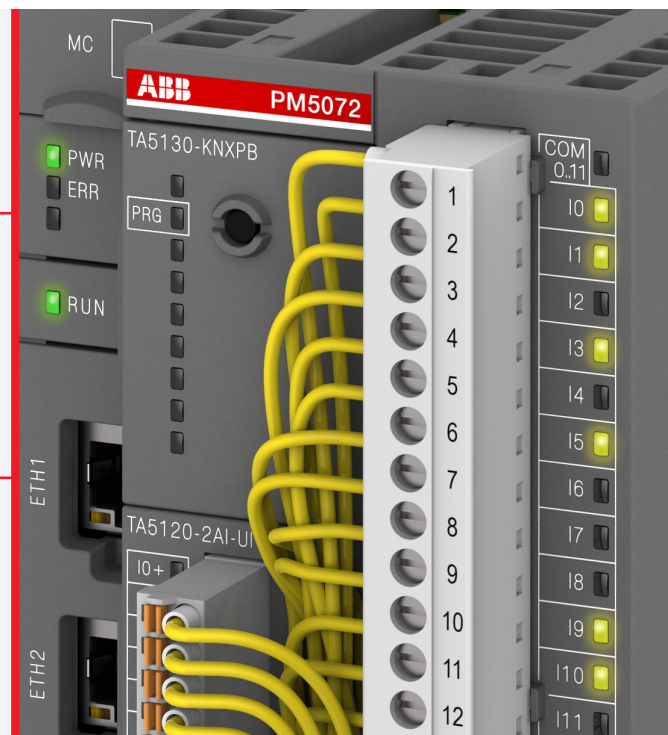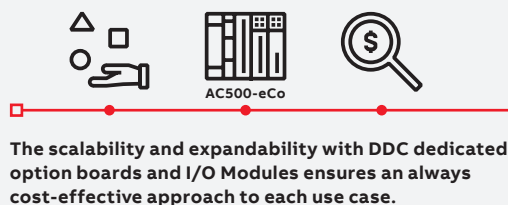## For building infrastructure automation solutions

The latest AC500-eCo controller is designed for Direct Digital Control (DDC) use cases.

AC500-eCo provides not only a proven DDC feature set needed for standard building automation but also for advanced heating, ventilation and air conditioning (HVAC) and many more other tasks.

AC500-eCo enables most flexible features to be realized with its advanced communication and programming options.

Today, managing buildings efficiently and reliably is not enough anymore. Modern buildings feature smart networking, offering occupants

and stakeholders real-time information, allowing them to make swift decisions concerning the building's safety, energy consumption and comfort level as well as protecting their long-term assets. AC500 and AC500-eCo are used in many critical applications and have a proven and unprecedented record reliability.

AC500-eCo

The scalability and expandability with DDC dedicated option boards and I/O Modules ensures an always cost-effective approach to each use case.

AC500-eCo

Certified and powerful BACnet client and server functionalities and KNX connectivity are only some of the unique connectivity combinations possible.

Monitoring and control

In commercial buildings the reliable operation and control of both escalators and elevators is important for a satisfying customer experience. AC500 can monitor the functionality of both applications and provides valuable information in case of malfunction, enabling service personnel to respond and fix errors rapidly. In case of problems AC500 can manage emergency lighting and provide 24/7 availability to protect people in the building.

Access control to charging stations in parking spaces is another aspect of AC500, which allows only those users or customers who are authorized. During charging the AC500 collects and stores useful data so that energy consumption in the building can be monitored and managed locally, remotely or via cloud services.
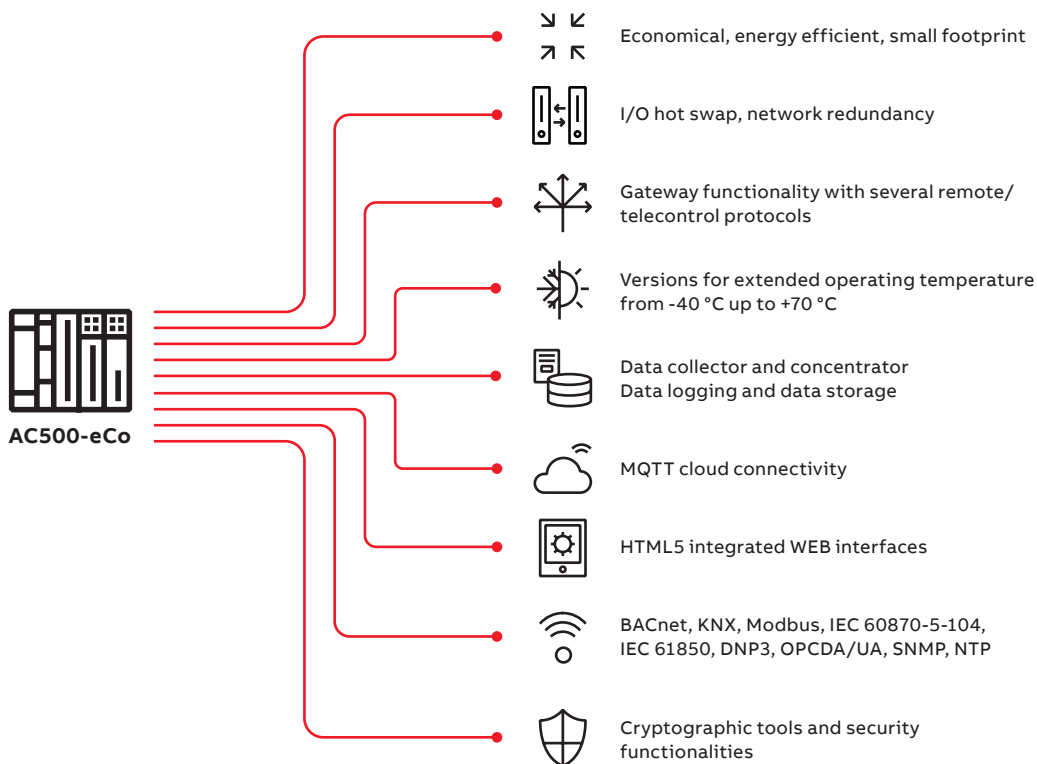
AC500-eCo

- Economical, energy efficient, small footprint
- I/O hot swap, network redundancy
- Gateway functionality with several remote/telecontrol protocols
- Versions for extended operating temperature from -40 °C up to +70 °C
- Data collector and concentrator Data logging and data storage
- MQTT cloud connectivity
- HTML5 integrated WEB interfaces
- BACnet, KNX, Modbus, IEC 60870-5-104, IEC 61850, DNP3, OPCDA/UA, SNMP, NTP
- Cryptographic tools and security functionalities