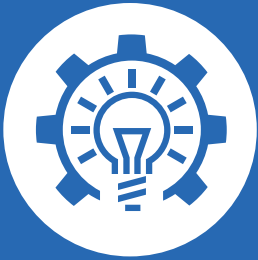


Performance and precision, **simplified**



Powering Business Worldwide

Eaton is expertise



Eaton engineers and manufactures advanced variable frequency drives (VFDs) that provide reliable and efficient motor operation for a wide range of industrial and demanding applications.

The PowerXL DX1 is the newest member of Eaton's PowerXL family of VFDs, delivering high-performance capabilities and precision in a simple-to-use interface.

The user-friendly PowerXL DX1 is highly configurable to specialized process requirements, particularly when controlling complex or customized applications powered by permanent magnet or induction motors. Eaton has leveraged the expertise of power management and motor control to make a generational leap forward in workflow, diagnostics and safety certifications. The PowerXL DX1 provides precise speed and torque control, a wide 1000:1 speed range and built-in metering capabilities, making it an ideal solution for applications where energy efficiency and monitoring are crucial. The innovative features of the PowerXL DX1 enable greater efficiency, cost-effectiveness, reduced downtime and increased productivity in system operations.



A variable frequency drive for high-performance applications



Precise, closed-loop speed and torque control



Wide speed range of 1000:1 with full torque at 0 rpm
Up to 200 hp CT / 250 hp VT



High safety standards with SIL 2, PL d, Cat.3 safe torque off (STO)



Seamless installation and commissioning with touchscreen



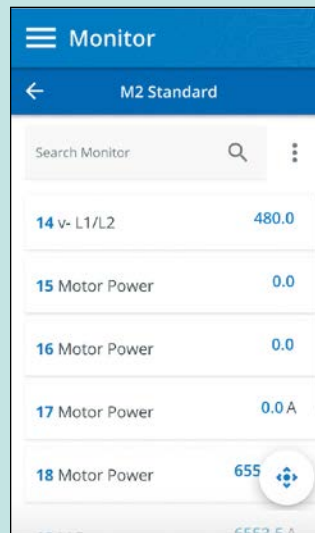
Onboard PLC for application customization
Industry 4.0 and IoT enabled

Innovative touchscreen offers easy install and operation



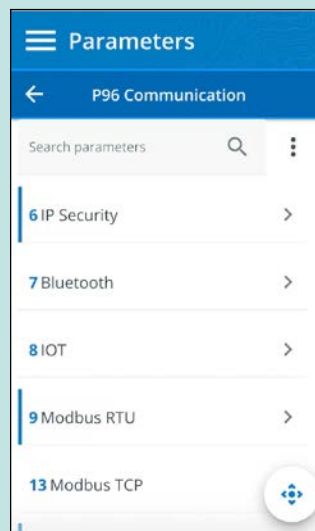
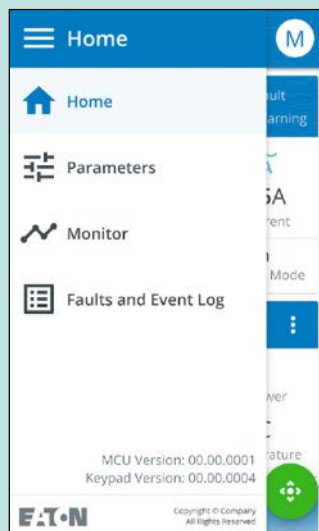
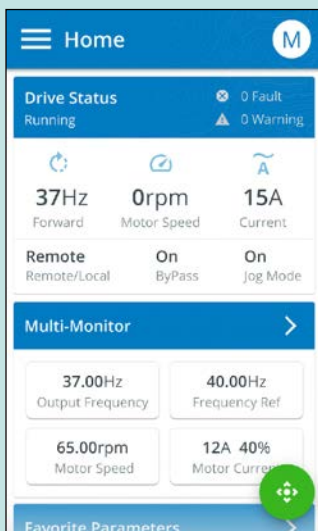
Graphical trending capabilities

Quickly analyze live data



Built-in metering

Safely assess drive without external equipment



Contextual menus

Improved workflow over traditional keypads

Note: Keypad option available.

Seamless integration with retrofit and new systems

Extensive onboard I/O

- 6 digital inputs
- 1 digital output
- 2 analog inputs
- 1 analog output
- 2 relay outputs

Flexibility and expansion

Install up to 4 option cards

Communications

- Modbus/TCP
- PROFINET
- EtherNet/IP



Customizable

Onboard PLC capability

Streamlined setup

Easy-to-navigate, intuitive touchscreen interface

Cybersecurity for peace of mind

Certified to IEC/EN 62443-4-2 Level 1

We make what matters work.*

* At Eaton, we believe that power is a fundamental part of just about everything people do. Technology, transportation, energy and infrastructure—these are things the world relies on every day. That's why Eaton is dedicated to helping our customers find new ways to manage electrical, hydraulic and mechanical power more efficiently, safely and sustainably. To improve people's lives, the communities where we live and work, and the planet our future generations depend upon. Because that's what really matters. And we're here to make sure it works.

See more at Eaton.com/whatmatters



For more information, visit
Eaton.com/DX1

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