



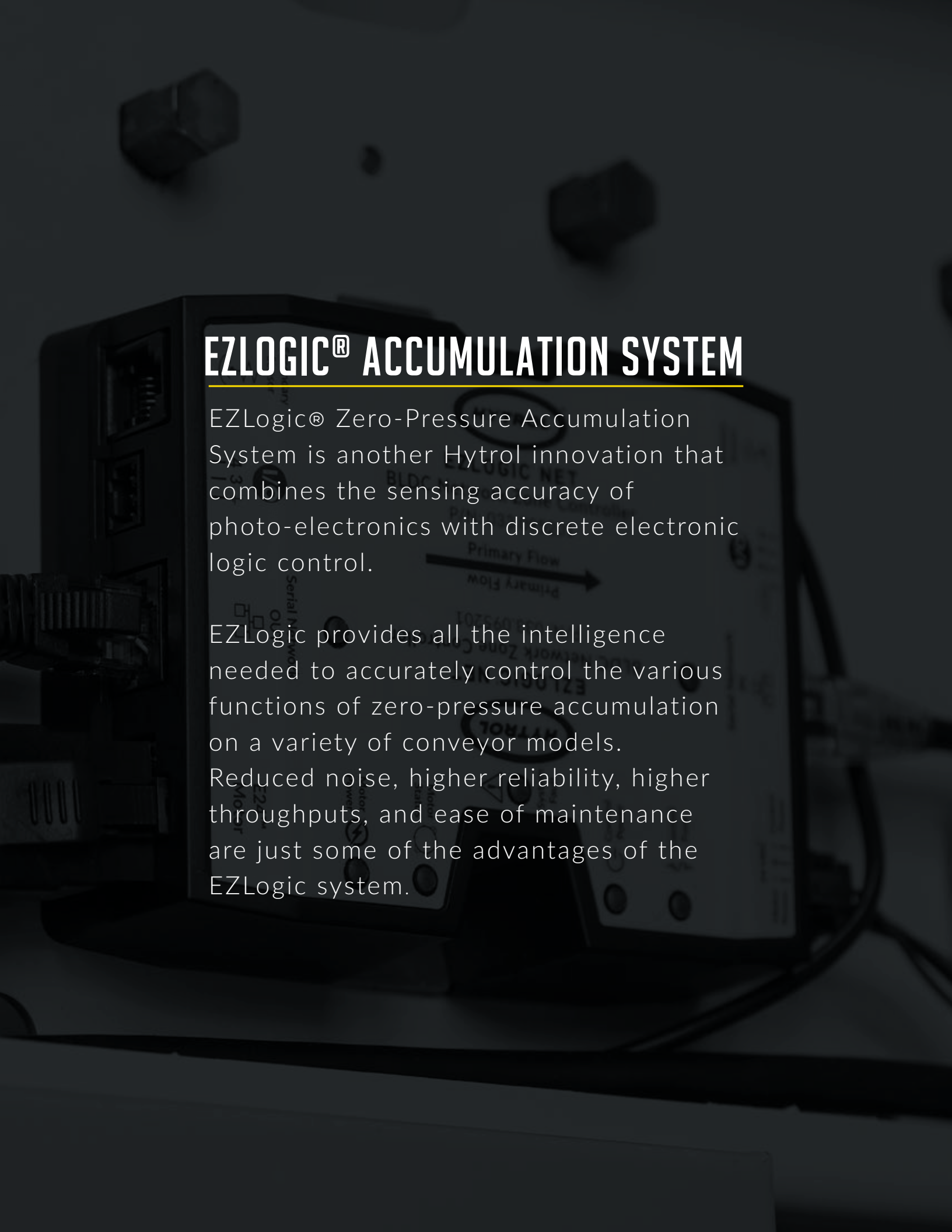
EZLOGIC[®] NET

LEAD THE WAY

Hytrol is the largest conveyor manufacturer in North America and a world leader in the design and manufacturing of material handling systems for a variety of industries. Our success is the product of our mission to build relationships and products that move the world. Hytrol's Integration Partner Network, which is comprised of more than 100 locations worldwide, helps us develop those relationships. It's through our integration partners that we are able to provide the local presence, on-site expertise, and instant assistance needed by customers today.

We deliver innovative products and applications that improve profitability and sustainability to support the supply chain. Our cutting-edge manufacturing facilities and Technology Center, along with our dedicated workforce, enables us to continually improve our processes and manufacture top-tier solutions.



The background image shows a dark, industrial-looking device, the EZLogic Zero-Pressure Accumulation System. It has a rectangular shape with various ports and connectors on its side. A network cable is plugged into one of the ports. The device is mounted on a surface, and there are some cables and components visible in the foreground and background, suggesting an industrial or laboratory setting. The text is overlaid on the right side of the device.

EZLogic® ACCUMULATION SYSTEM

EZLogic® Zero-Pressure Accumulation System is another Hytrol innovation that combines the sensing accuracy of photo-electronics with discrete electronic logic control.

EZLogic provides all the intelligence needed to accurately control the various functions of zero-pressure accumulation on a variety of conveyor models.

Reduced noise, higher reliability, higher throughputs, and ease of maintenance are just some of the advantages of the EZLogic system.

EZLOGIC® NET

The EZLogic® NET Smart Conveyor System is the latest innovation from Hytrol. EZLogic NET combines the networking capabilities, functionality, and ease of use of former generations of EZLogic plus new features added to the system. EZLogic NET is designed to provide levels of operation ranging from basic speed and direction to advanced sophisticated implementations.



EZLOGIC® NET COMPONENTS

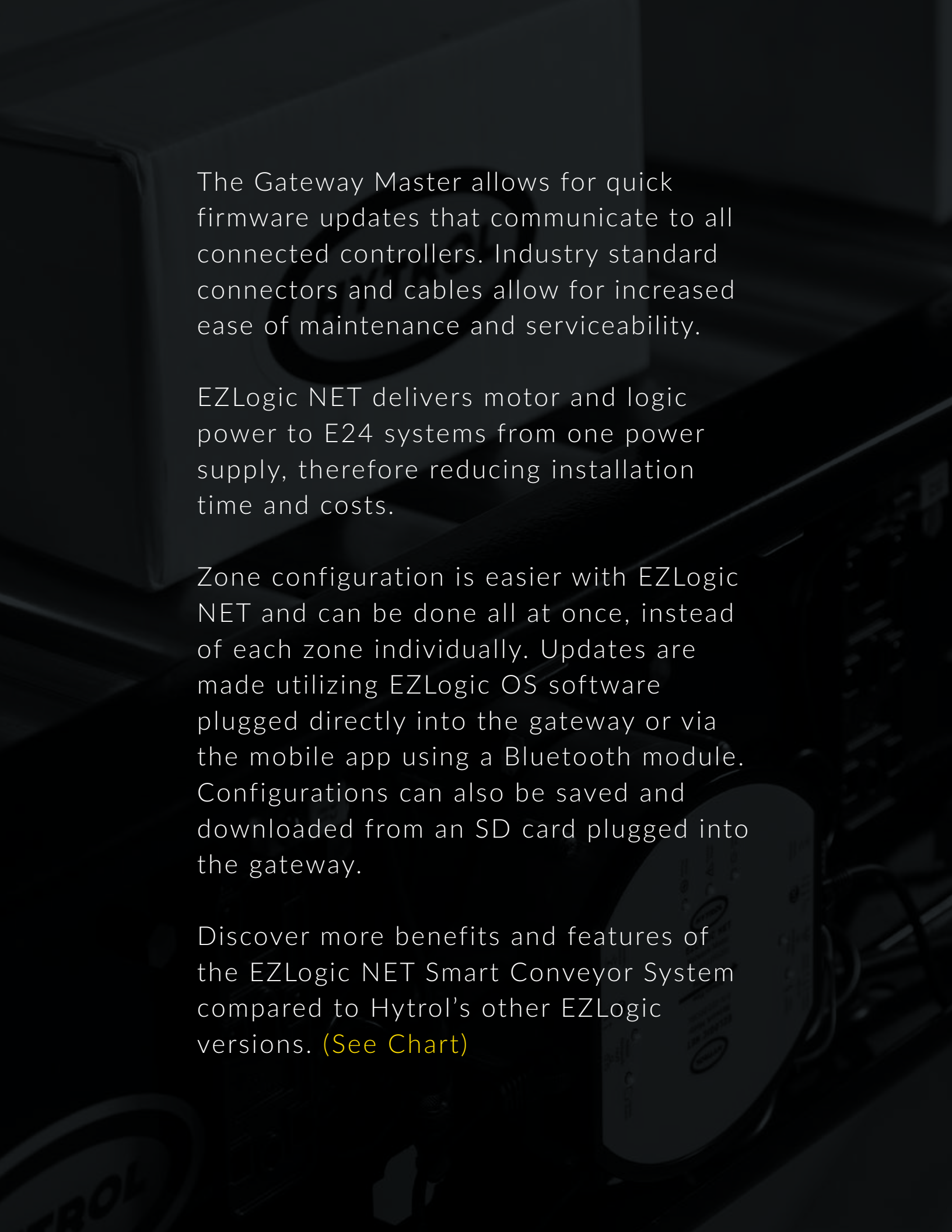
Everything your smart conveyor system needs to get started is already built into the EZLogic® NET system. It is comprised of three main components: Gateway, Zone Controller (Integrated or Non-Integrated), and Photoeye. Connect up to 120 package-handling segments, or zones, in series with one motor per zone. In addition, each power supply can power up to 40 zones. A communication cable from controller to controller maintains high speed communications to ensure consistent and predictable system control.



EZLOGIC® NET BENEFITS

EZLogic® NET is the best of the EZLogic family, combining the functionality of EZLogic Gen 3 with the networking capabilities of EZLogic 4.0. End users still utilizing older systems can upgrade to EZLogic NET by simply replacing the control parts—no need to change the side channels on the conveying system.



The background of the slide is a dark, grayscale photograph of industrial equipment. It shows various components of the EZLogic NET Smart Conveyor System, including what appears to be a control box with a 'HYTROL' logo, a circular sensor or camera module, and some wiring. The text is overlaid on this image in a white, sans-serif font.

The Gateway Master allows for quick firmware updates that communicate to all connected controllers. Industry standard connectors and cables allow for increased ease of maintenance and serviceability.

EZLogic NET delivers motor and logic power to E24 systems from one power supply, therefore reducing installation time and costs.

Zone configuration is easier with EZLogic NET and can be done all at once, instead of each zone individually. Updates are made utilizing EZLogic OS software plugged directly into the gateway or via the mobile app using a Bluetooth module. Configurations can also be saved and downloaded from an SD card plugged into the gateway.

Discover more benefits and features of the EZLogic NET Smart Conveyor System compared to Hytrol's other EZLogic versions. [\(See Chart\)](#)

	GEN 3	4.0	NET
SINGULATION MODE	✓	✓	✓
SLUG MODE	✓	✓	✓
SLEEP FEATURE	✓	✓	✓
BUILT- IN “ZONE STOP” FUNCTION	✓	✓	✓
JAM PROTECTION	✓	✓	✓
CLONE FUNCTION	✓	✓	✓
ZONE ON DELAY TIME / UNLOADING ZONE	✓	✓	✓
ZONE OFF DELAY TIMER / ACCUMULATION DELAY	✓	✓	✓
DYNAMIC ZONE ALLOCATION	✓	✓	✓
WAKE UP FUNCTION	✓	✓	✓
LOADING ZONE	✓	✓	✓
PULSE FEATURE FOR GRAVITY	✓		✓
CASCADED SLUG RELEASE	✓	✓	✓
INDICATORS LED'S	✓	✓	✓
PROGRAMMING SOFTWARE & ADAPTER	✓	✓	✓
ZONE LENGTH CORDSETS	✓		✓
STANDARDIZED EZLOGIC MOUNTING	✓		✓
EASY INSTALLATION & REPLACEMENT	✓		✓
CONTROLLERS REMOVABLE WITHOUT DISTURBING CABLING	✓		✓
FIELDBUS TO COMMUNICATE TO PLC		✓	✓
RETRIEVABLE DIAGNOSTIC INFORMATION		✓	✓
ZONES PER BRANCH	50	164	120
NUMBER OF I/O PER ZONE	1	2	4
CURRENT LIMIT SELECTABLE		✓	✓

HYTROL CONVEYOR MODELS AVAILABLE WITH EZLOGIC® NET

- E24EZN | E24EZNCT
- BZE24EZN | BZDE24EZN | BZIE24EZN
- E24EZNSS



E24EZN E24EZNCT

The model E24EZN is a powered roller conveyor equipped with a series of Hytrol's E24™ 24-volt DC motors to drive the tread rollers, eliminating the need for drive belts, chains, or line shafts. The model E24EZNCT is a powered roller curve conveyor. Both feature Hytrol's patented EZLogic® system.



BZE24EZN **BZDE24EZN** **BZIE24EZN**

The model BZE24EZN is a full-width belt conveyor that uses 24V motors in addition to the EZLogic® system. It is designed for material handling applications where accumulation of small items, such as letters and poly bags, is required or when conveying product that would otherwise slip on inclines or declines.



E24EZNSS

The 190-E24EZNSS is a straight spur accumulation conveyor. Much like other E24 models, this powered roller conveyor is powered by a series of 24VDC motors. Tread rollers are driven by these motors which eliminates the need for drive belts, chains, or line shafts. Other advantages of the E24EZNSS are quiet operation and ease of maintenance and installation.







EZLOGIC[®] NET

HYTROL.COM | BLOG.HYTROL.COM

VER. 2 | 7/25

©2024 HYTROL CONVEYOR COMPANY, INC.