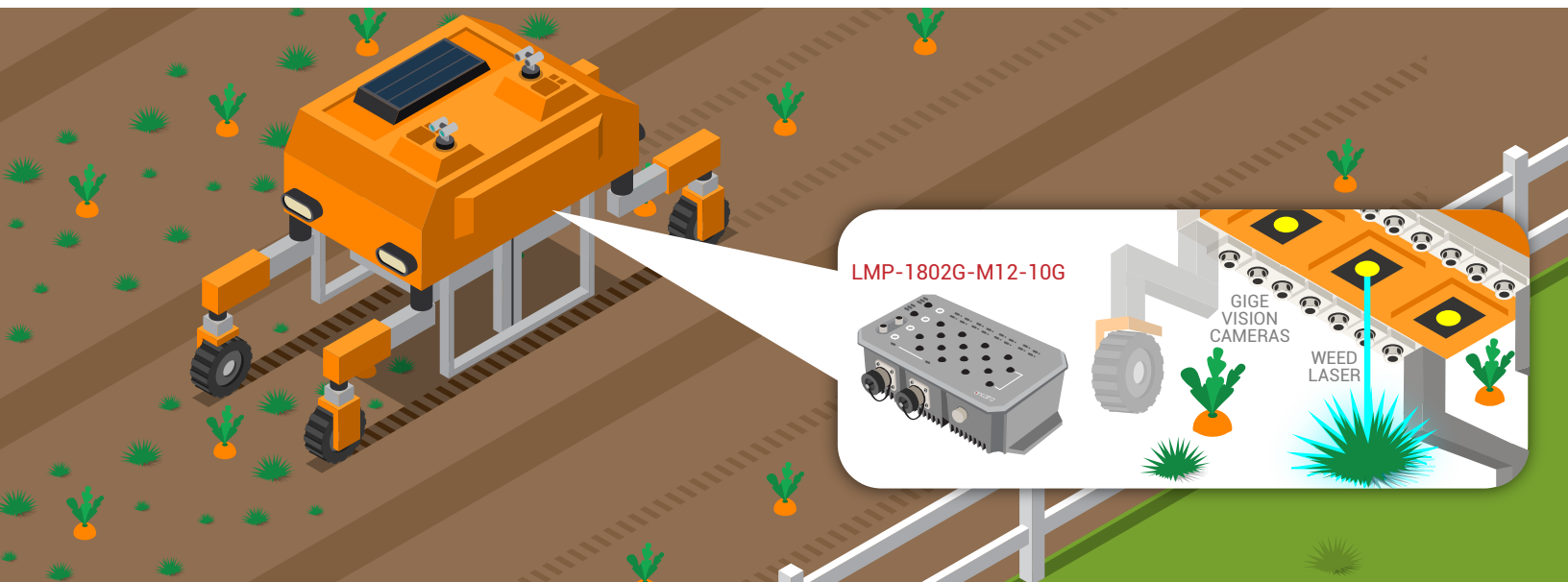


ANTAIRA'S M12 SOLUTIONS FOR AUTOMATION

Agriculture

Application Overview

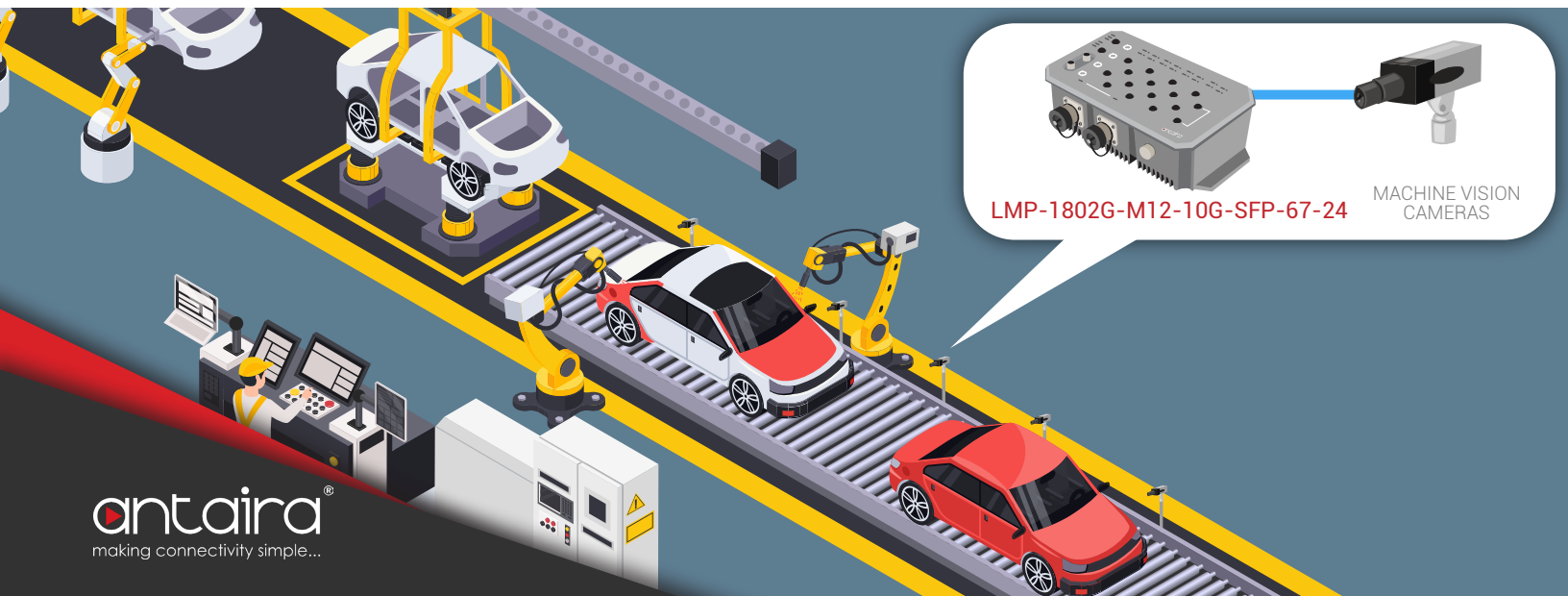
Automation in the agriculture industry is a fast growing market and has seen the need for M12 and PoE switches. Fully automated farming equipment is being designed to include the use of high-speed GigE vision cameras and powerful image processing CPUs combined with Artificial Intelligence allowing for a machine to determine if a plant is a weed. Sending the data from these high speed GigE cameras to the image processors requires a 10G backbone link. A robust network must also be able to withstand constant vibration as well as intrusion protection from dust and water.



Machine Vision

Application Overview

Machine Vision is becoming much more critical in automation applications, especially where robotics is involved. GigE Vision is a global standard communication protocol that has been adopted by machine vision camera manufacturers. While GigE Vision allows for faster image transfers using standard cabling, the bandwidth requirements are significantly greater than previous generations of machine vision cameras. In addition, in order to simplify wiring, many GigE Vision cameras will use PoE for power so only one cable needs to be run. Aggregating multiple GigE Vision cameras into one link into the Industrial PC (IPC) will often require a 10G link from the PoE switch to the IPC running the software.



PRODUCT OVERVIEW

Unmanaged PoE



LNP-0800G-M12-67-24(-T)
8-Port Industrial M12 IP67 Waterproof Gigabit PoE+ Ethernet Switch, w/8*10/100/1000Tx (30W/Port) M12 Connectors (X-Coded)

Unmanaged Non-PoE



LNX-0500-M12-67(-T)
5-Port M12 Industrial IP67 Waterproof Ethernet Switch, w/5*10/100Tx with M12 Connectors

Managed PoE



LMP-1600G-M12-67-24(-T)
16-Port Industrial M12 IP67 Waterproof Gigabit PoE+ Light Layer 3 Managed Ethernet Switch, with 16*10/100/1000Tx M12 Connectors (X-Coded) (30W/Port), 24~55VDC Power Input



LMP-1600G-M12-67-110(-T)
16-Port Industrial M12 IP67 Waterproof Gigabit PoE+ Light Layer 3 Managed Ethernet Switch, with 16*10/100/1000Tx M12 Connectors (X-Coded) (30W/Port); 24~110VDC Power Input



LMP-1802G-M12-10G-SFP-67-24(-T)
18-Port Industrial M12 IP67 Waterproof Gigabit PoE+ Light Layer 3 Managed Ethernet Switch, with 16*10/100/1000Tx M12 Connectors (X-Coded) (30W/Port) and 2*1G/10G SFP Slots; 24~55VDC Power Input



LMP-1802G-M12-10G-SFP-67-110(-T)
18-Port Industrial M12 IP67 Waterproof Gigabit PoE+ Light Layer 3 Managed Ethernet Switch, with 16*10/100/1000Tx M12 Connectors (X-Coded) (30W/Port) and 2*1G/10G SFP Slots; 24~110VDC Power Input

Managed Non-PoE



LMX-1600G-M12-67(-T)
16-Port Industrial M12 IP67 Waterproof Gigabit Light Layer 3 Managed Ethernet Switch, with 16*10/100/1000Tx M12 Connectors (X-Coded)



LMX-1600G-M12-67-110(-T)
16-Port Industrial M12 IP67 Waterproof Gigabit Light Layer 3 Managed Ethernet Switch, with 16*10/100/1000Tx M12 Connectors (X-Coded); 24~110VDC Power Input



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