

# Product Update

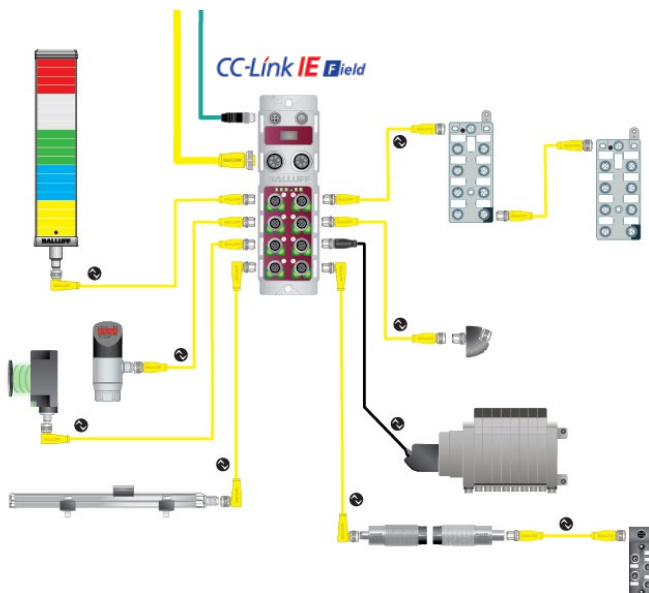
## CC-Link IE Field I/O Block and IO-Link Master Distributed Modular Controls Architecture for Gigabit Networks

CC-Link IE is the newest Industrial Ethernet network geared for complete vertical integration from plant enterprise network to the production floor. CC-Link IE Field offers tremendous application potential in all industries with its unmatched gigabit network and deterministic performance.

Balluff is the first to introduce CLPA conformance tested and approved CC-Link IE Field based distributed modular I/O to build a machine mount controls architecture. CC-Link IE Field combined with IO-Link, provides for a resilient network for a multitude of devices including discrete and analog I/O, smart sensors, RFID, Vision and more.

With its IP67 protection rating, this network block promotes truly distributed modular architecture for seamlessly connecting sensors, actuators or smart IO-Link devices with standard M12 sensor cables - further reducing complexity and cost for special devices and cables.

When building high I/O density applications, Balluff CC-Link IE field blocks with 8-IO-Link master ports can host 240 I/O points per node without compromising on speed or performance.



Technical Information	
Network connection	CC-Link IE Field, M12 X-coded
Sensor/IO-Link connection	M12 A-Coded
Power connection	7/8" 5-pole
Power input	18V..30.2V DC 9A max
Max. input current per channel	1.6A
Max. output current per channel	2A
Max. output current per module	9A
Protection per IEC 60529	IP67
Operating Temp. range	-5°C to 70°C

Order Code	Max. inputs	Max. outputs	IO-Link Ports	Description
BNI0094	16	-	-	16 PNP input only CC-Link IE Field block
BNI008T	16	-	-	16 NPN input only CC-Link IE Field block
BNI0095	16	16	-	16 PNP Configurable I/O CC-Link IE Field block
BNI008C	16	16	8	8-port IO-Link Master with 16 PNP configurable

Order Code	Length
<b>RJ45-RJ45 CAT7 4-twisted pair</b>	
BCC0HZC	1m
BCC0HZE	2m
BCC0HZF	5m
BCC0HZH	10m
<b>M12 X-coded - RJ45 CAT7 4-twisted pair</b>	
BCC0HZJ	1m
BCC0HZK	2m
BCC0HZL	5m
BCC0HZM	10m
<b>M12 X-coded - M12 X-coded CAT7 4-twisted pair</b>	
BCC0HZN	w
BCC0HZP	2m
BCC0HZR	5m
BCC0HZT	10m