

Two-way communication

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- The diagram illustrates the connection between a Controller, an IO-Link Master, and IO-Link Sensors. A Controller is connected to an IO-Link Master via a Fieldbus. The IO-Link Master is then connected to three IO-Link Sensors. The connection between the IO-Link Master and the sensors is labeled as IO-Link.

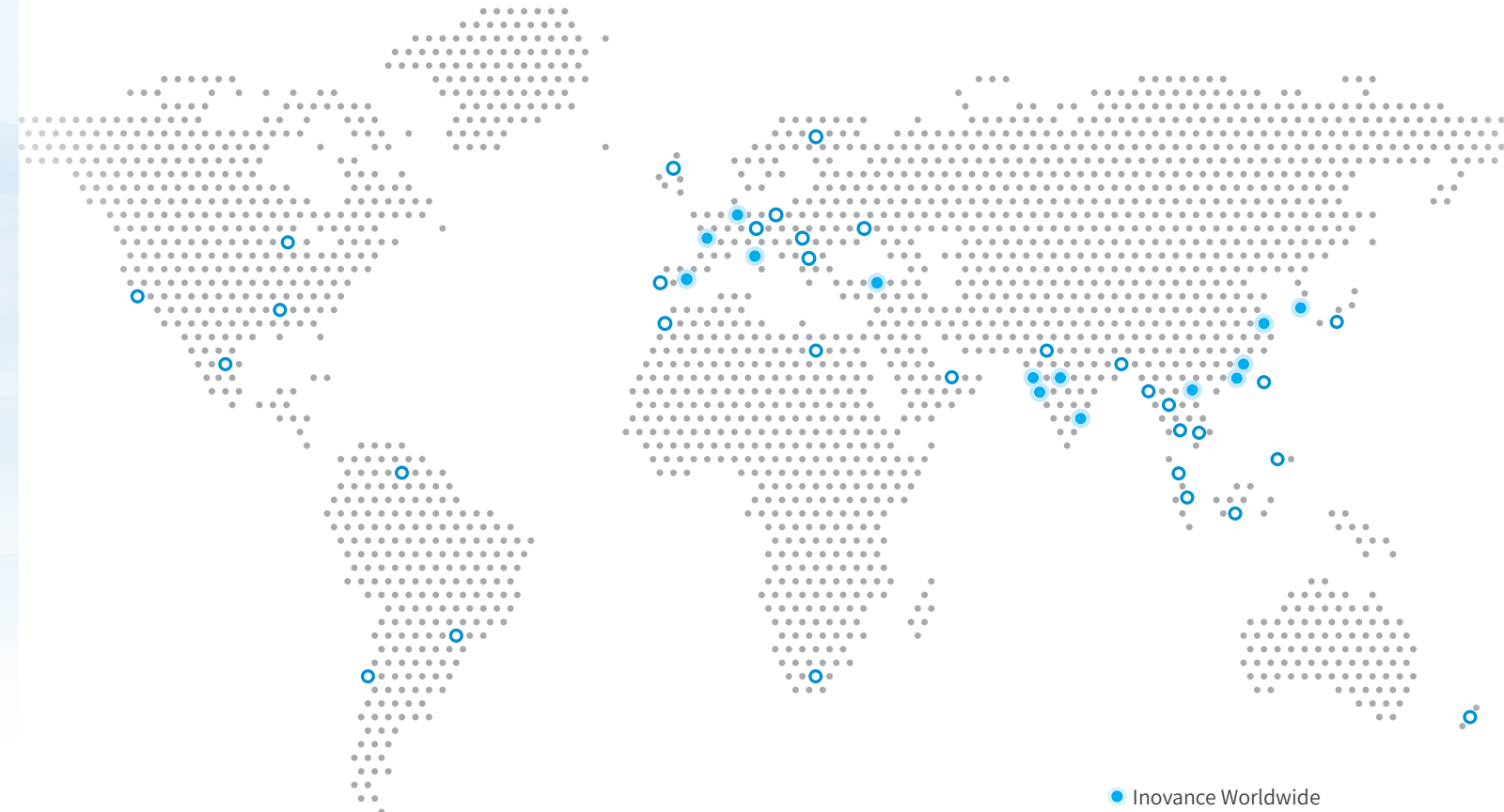


- Up to IP67, stringent standards for reliability

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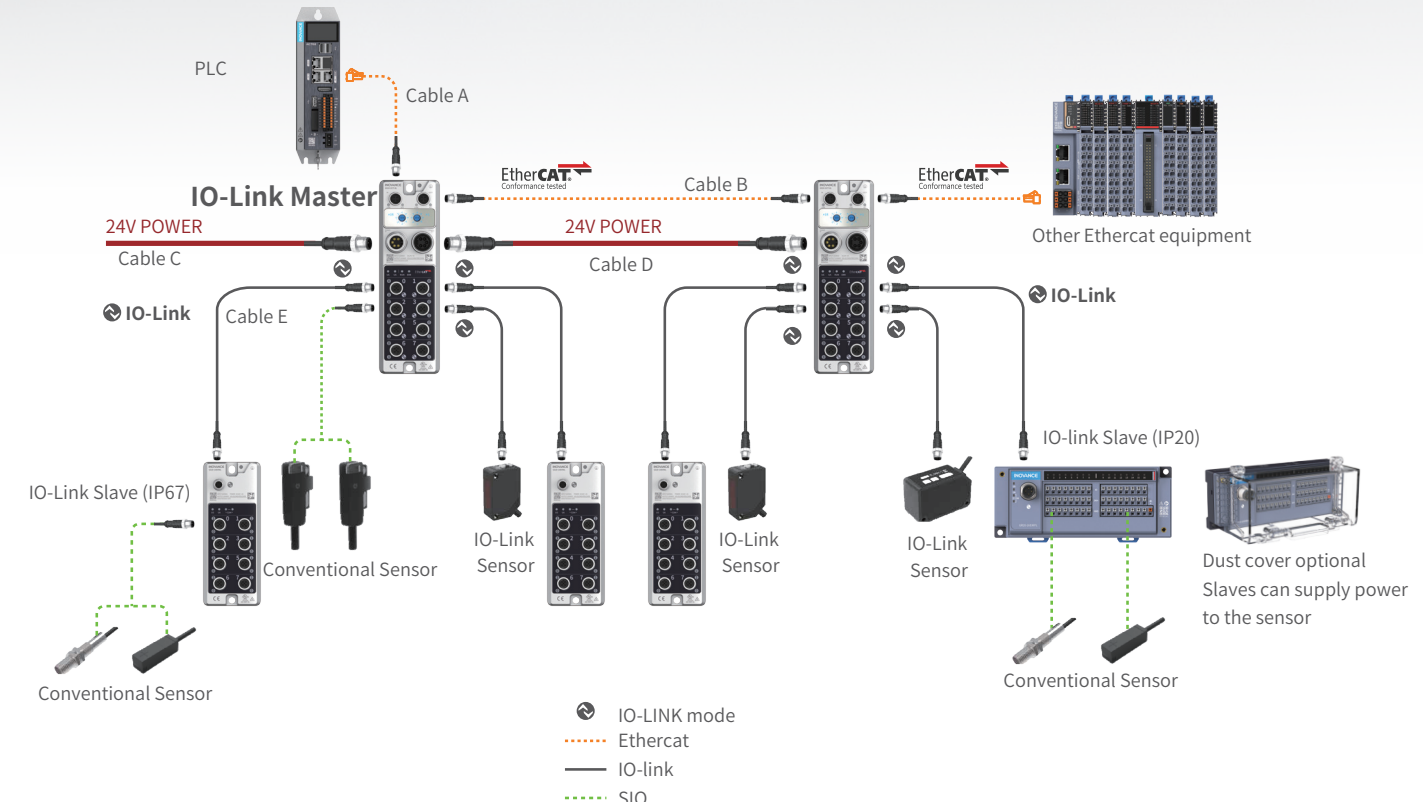
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*Note: system requirements Codesys-based PLC

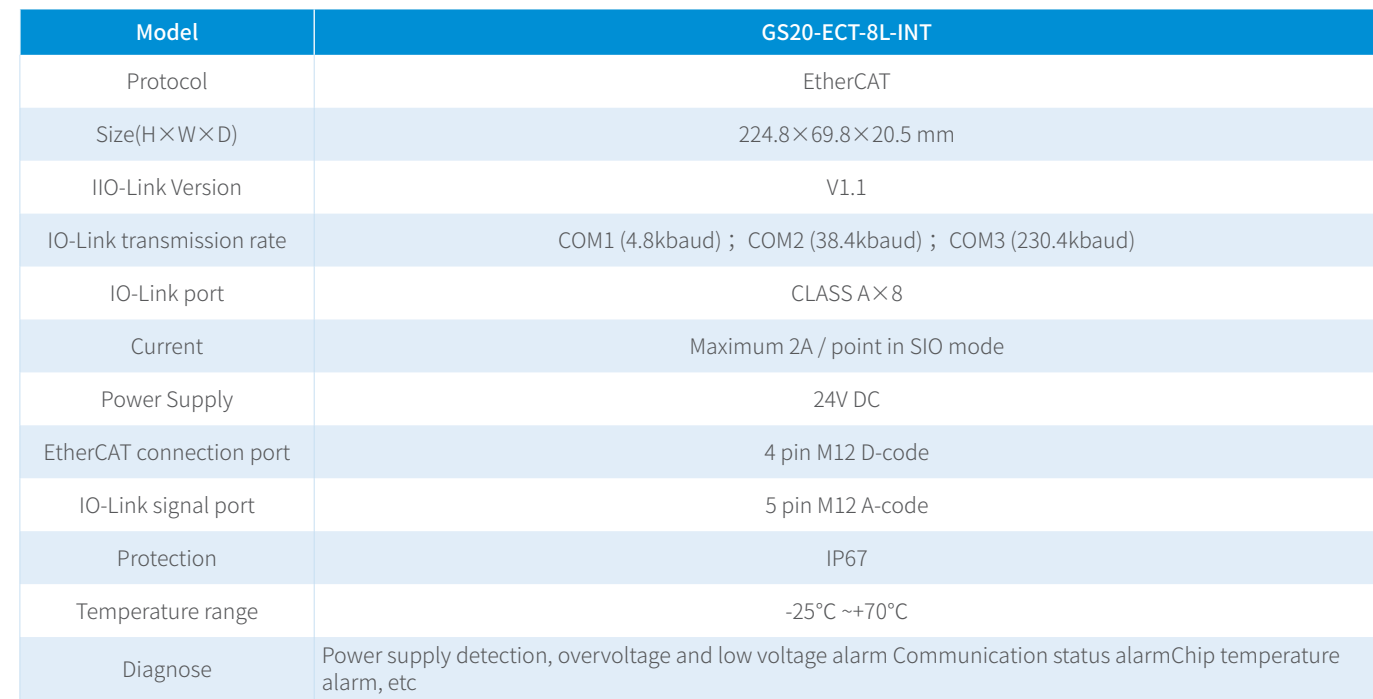


- FOLLOW US**     

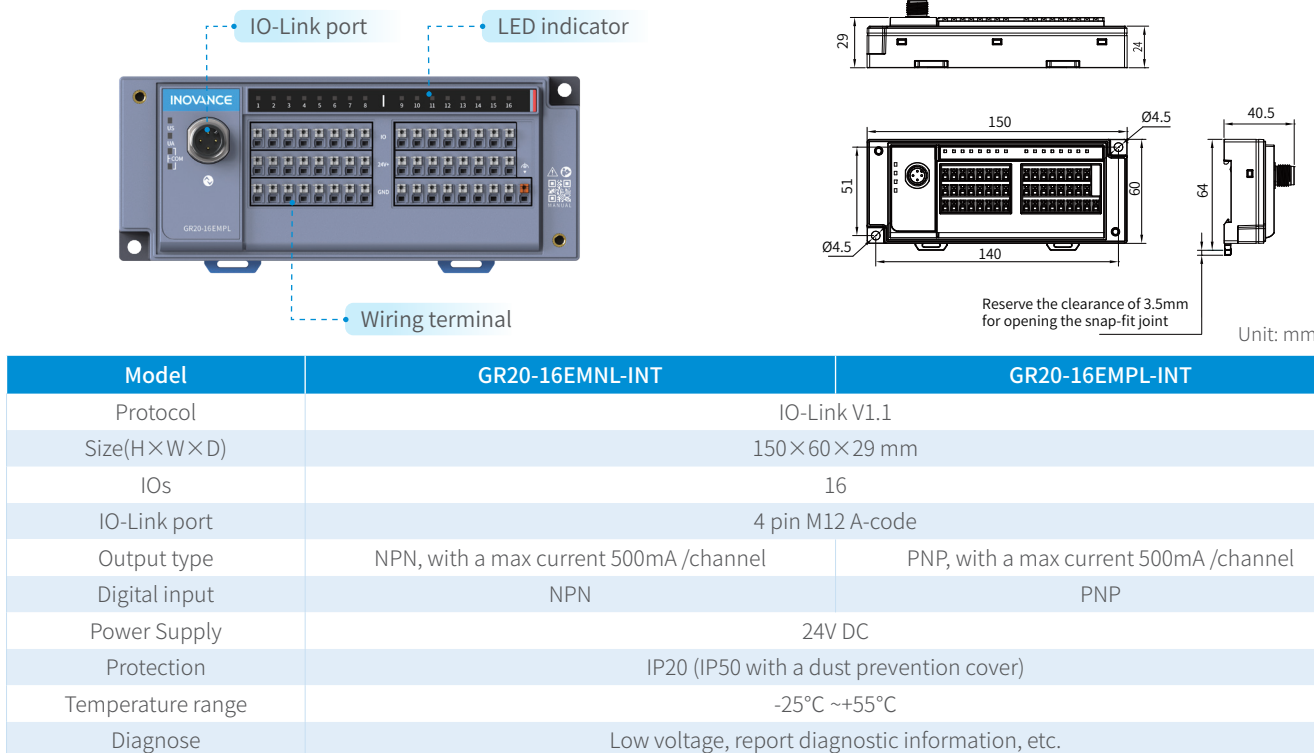
The diagram illustrates an industrial assembly line with two robotic workstations. The first workstation, labeled 'IO-Link Master (IP67)', is connected to three 'IO-Link Slave (IP67)' units. A callout shows a 'GR20 Series IO-Link Slave (IP20, IP50 with dust cover)'. The second workstation is also connected to the master via an 'IO-Link Sensor' and an 'IO-Link Slave (IP67)' unit. The entire system is enclosed in a transparent protective enclosure.



IO-Link Master GS20



IO-Link Slaves GR20



Model

Model	Appearance	Description	Length (m)
CAB-RJ45-M12DMS4-3		EtherCAT cable, M12 (D-code), 1*male straight head - 1*RJ45 port, PLC network port connected to EtherCAT communication cable of the master	3
CAB-RJ45-M12DMS4-5			5
CAB-RJ45-M12DMS4-8			8
CAB-RJ45-M12DMS4-10			10
CAB-RJ45-M12DMS4-15			15
CAB-M12AMS4-M12AFL4-3		IO-Link cable, 4 pin M12(A-code), 1*male straight head - 1*female elbow, used for connecting IO-Link master to IO-Link substation	3
CAB-M12AMS4-M12AFL4-5			5
CAB-M12AMS4-M12AFL4-8			8
CAB-M12AMS4-M12AFL4-10			10
CAB-M12AMS4-M12AFL4-15			15
CAB-M12AMS4-M12AFL4-3-T-taiyo		IO-Link cable, M12 A-Code, 4 pin, 1*male straight head - 1*female elbow, With drag chain - Taiyo, used for connecting the IO-Link master to the IO-Link substation (flexible cable, bendable 3-5 million times)	3
CAB-M12AMS4-M12AFL4-5-T-taiyo			5
CAB-M12AMS4-M12AFL4-8-T-taiyo			8
CAB-M12AMS4-M12AFL4-10-T-taiyo			10
CAB-M12AMS4-M12AFL4-15-T0-taiyo			15
CAB-7/8FL5-7/8ML5-3		7/8" power supply cable, 5 pin, 1*male elbow - 1*female elbow, used for cascading of multiple IO-Link master power supplies	3
CAB-7/8FL5-7/8ML5-5			5
CAB-7/8FL5-7/8ML5-8			8
CAB-7/8FL5-7/8ML5-10			10
CAB-7/8FL5-7/8ML5-15			15
CAB-M12DMS4-M12DMS4-3		EtherCAT cable, M12 (D-code), 2*male straight head, with shielded layer, for cascading multiple IO-Link masters (EtherCAT cascaded)	3
CAB-M12DMS4-M12DMS4-5			5
CAB-M12DMS4-M12DMS4-8			8
CAB-M12DMS4-M12DMS4-10			10
CAB-M12DMS4-M12DMS4-15			15
CAB-7/8FL5-3		7/8" power supply cable, 5 pin, 1*female elbow, used to power the master	3
CAB-7/8FL5-5			5
CAB-7/8FL5-8			8
CAB-7/8FL5-10			10
CAB-7/8FL5-15			15

Model	Appearance	Description	Length (m)
CON-M12AFS4		4 pin, female straight connector, connected directly	-
CON-M12AFL4		4 pin, female elbow connector, connected directly	-
CON-M12AMS5		5 pin, male straight connector, connected directly	-
CON-M12AML5		5 pin, male elbow connector, connected directly	-
CON-M12AMS5-YF5		Y-type M12 connector, used for master class A to class B	-
GR20-FCZ series dust cover		Used with GR20 series modules, 150*75.5*70mm	-