OEM Automatic Ltd
Address: Whiteacres, Whetstone Leicester, LE8 6ZG
0116 284 9900 | Orders@oem.co.uk | www.oem.co.uk

DATALOGIC - QUICK LINK 500

QL500
QL500 CONNECTION MODULE + ETHERNET

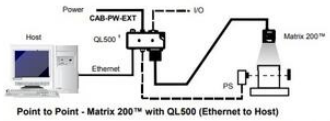
- Fast, easy connection for ID-NET™ networks
- Active master module
- Ethernet communication

PRODUCT DESCRIPTION

Quick Link is a complete series for fast, easy cabling of an ID-NET™ network by means of standard cables. QL500 is an active master module designed for use with the slave modules QL100/150/200, but it can also be used as an independent unit. QL500 has separate ports for supply voltage, external trigger signal, Digital I/O and communication. It also comes equipped with Ethernet communication which is linked with the reader's internal interface.

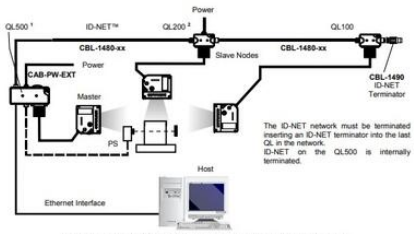
TECHNICAL DATA

IP class	IP40
Power consumption max	4 A
Storage temperature max	70 °C
Storage temperature min	-20 °C
Supply voltage dc max	30 V DC
Supply voltage dc min	10 V DC
Temperature operational max	50 °C
Temperature operational min	0 °C
Weight	309 g



Point to Point - Matrix 200™ with QL500 (Ethernet to Host)

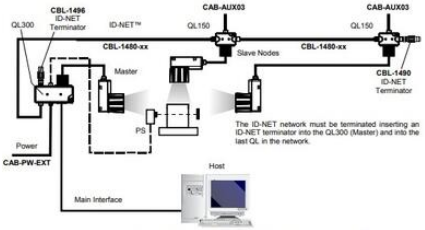
[1] The reader must first be configured for Ethernet communication. This is done by connecting to the reader through the RS232 Aux port available on the QL500 I/O Port and running the software configuration program.



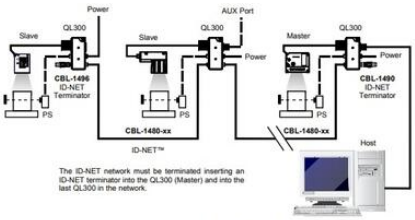
ID-NET™ Synchronized Network - DS4800 Master with QL500 + DS4800 Slaves with QL200 and QL100

[1] *The reader must first be configured for Ethernet communication. This is done by connecting to the reader through the RS232 Aux port available on the QL500 I/O Port and running the software configuration program.*

[2] *The above diagram is an example showing layout connections and is not intended to represent power limits, which instead, depend on each specific application. See "Voltage Drop and Max Distributed Current Calculations".*

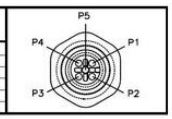


ID-NET™ Synchronized Network - Matrix 400™ Master with QL300 + Matrix 400™ Slaves with QL150



ID-NET™ Multidata Network - DS4800 Master with QL300 + Mixed Reader Slaves with QL300s

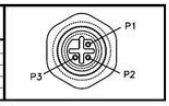
ID-NET Out M12 5P Female (A-coded)	
Pin	**Function**
1	Shield
2	Vdc
3	GND
4	ID+
5	ID-



QL500 only (Ethernet) RJ45 8P Female	
Pin	**Function**
1	TX+
2	TX-
3	RX+
6	RX-
4, 5, 7, 8	nc

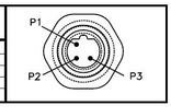
Reader 25P D-Sub Female		13 1 25 14	
Pin	**Function**	**Pin**	**Function**
1, shell, both bushings	Reader Chassis		
2	TXM	14	nc
3	RXM	15	nc
4	RTSM *	16	nc
5	CTSM *	17	nc
6	I2A	18	I1A
7	GND	19	GND
8	O1+	20	RXA
9	nc	21	TXA
10	I2B	22	O1-
11	O2+	23	ID+
12	O2-	24	ID-
13	Vdc	25	GND

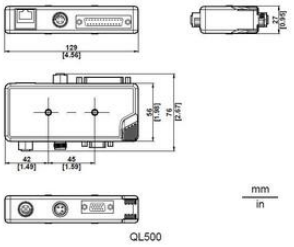
Trigger M12 4P Female (A-coded)	
Pin	**Function**
1	+V
2	nc
3	-V
4	I1+

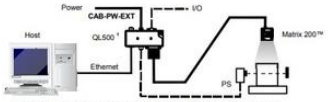


I/O Port 15P HD D-Sub Female		5 1 10 6 15 11	
Pin	**Function**	**Pin**	**Function**
1	O1+	9	I2A
2	TXA	10	O2-
3	RXA	11	I2B
4	RXM *	12	TXM *
5	CTSM *	13	GND
6	O1-	14	SGND
7	Vdc	15	RTSM *
8	O2+		

Power M12 3P Male (B-coded)	
Pin	**Function**
1	Earth
2	Vdc
3	GND

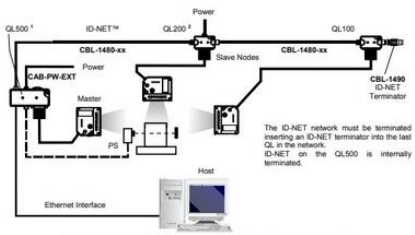






Point to Point - Matrix 200™ with QL500 (Ethernet to Host)

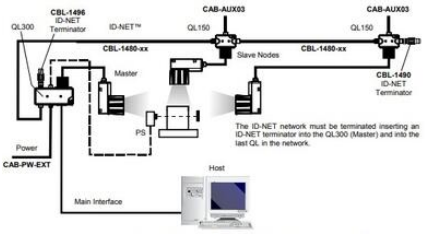
[1] *The reader must first be configured for Ethernet communication. This is done by connecting to the reader through the RS232 Aux port available on the QL500 I/O Port and running the software configuration program.*



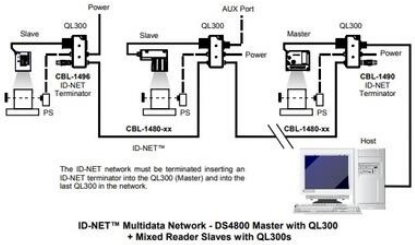
ID-NET™ Synchronized Network - DS4800 Master with QL500 + DS4800 Slaves with QL200 and QL100

[1] *The reader must first be configured for Ethernet communication. This is done by connecting to the reader through the RS232 Aux port available on the QL500 I/O Port and running the software configuration program.*

[2] *The above diagram is an example showing layout connections and is not intended to represent power limits, which instead, depend on each specific application. See "Voltage Drop and Max Distributed Current Calculations".*



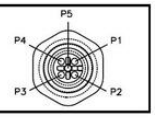
ID-NET™ Synchronized Network - Matrix 400™ Master with QL300 + Matrix 400™ Slaves with QL150



ID-NET™ Multidata Network - DS4800 Master with QL300 + Mixed Reader Slaves with QL300s

ID-NET Out
M12 5P Female (A-coded)

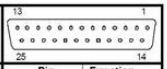
Pin	Function
1	Shield
2	Vdc
3	GND
4	ID+
5	ID-



QL500 only (Ethernet)
RJ45 8P Female

Pin	Function
1	TX+
2	TX-
3	RX+
6	RX-
4, 5, 7, 8	nc

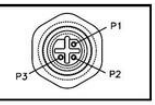
Reader
25P D-Sub Female



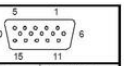
Pin	Function	Pin	Function
1, shell, both bushings	Reader Chassis		
2	TXM	14	nc
3	RXM	15	nc
4	RTSM *	16	nc
5	CTSM *	17	nc
6	I2A	18	I1A
7	GND	19	GND
8	O1+	20	RXA
9	nc	21	TXA
10	I2B	22	O1-
11	O2+	23	ID+
12	O2-	24	ID-
13	Vdc	25	GND

Trigger
M12 4P Female (A-coded)

Pin	Function
1	+V
2	nc
3	-V
4	I1+



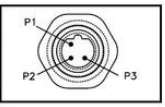
I/O Port
15P HD D-Sub Female

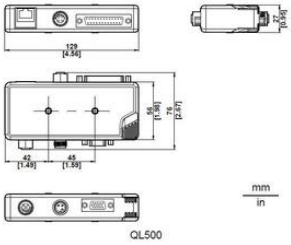


Pin	Function	Pin	Function
1	O1+	9	I2A
2	TXA	10	O2-
3	RXA	11	I2B
4	RXM *	12	TXM *
5	CTSM *	13	GND
6	O1-	14	SGND
7	Vdc	15	RTSM *
8	O2+		

Power
M12 3P Male (B-coded)

Pin	Function
1	Earth
2	Vdc
3	GND





mm
in

QL500