

ION 8650 Retrofit JEMSTAR Cable Connections (SUSI # SWIITSJ_-JEMS24-M8650) RS 232, RS 485, & Digital Input

PCB / TB (28 pos)	Wire Length	Function - KYZ Board w/ RS-485	Cable ID	ION 8650 Description	Internal Plug	Pin	Wire Color	3/31/2021 650-2014-02-E
1 (RJ11-4)	4"	Ring	Cable 1	MODEM-RING	P1	30	GREEN	
2 (RJ11-3)	4"	Tip	Cable 1	MODEM-TIP	P1	29	RED	
3	3"	K2	Cable 2	OUTPUT C2-K	P2	6	BLUE	
4	3"	Y1	Cable 2	OUTPUT C1-Y	P2	4	GREEN	
5	3"	Z1	Cable 2	OUTPUT C1-Z	P2	2	WHITE	
6	2.5"	Y2	Cable 2	OUTPUT C2-Y	P2	5	ORANGE	
7	2.5"	Z2	Cable 2	OUTPUT C2-Z	P2	3	RED	
8	2.5"	K1	Cable 2	OUTPUT C1-K	P2	1	BLACK	
9	2.5"	Z4	Cable 2	OUTPUT C4-Z	P2	9	GREEN	
10	2.5"	K3	Cable 2	OUTPUT C3-K	P2	7	WHITE	
11	3"	S+	Cable 2	DIGITAL INPUT S+	P2	16	BLUE	
12	3"	SCOM	Cable 2	DIGITAL INPUT SCOM	P2	15	BROWN	
13	2.5"	Y3	Cable 2	OUTPUT C3-Y	P2	10	YELLOW	
14	2.75"	Z3	Cable 2	OUTPUT C3-Z	P2	8	RED	
15	3.5"	RS-485 +	Cable 1	COM1 RS-485 +	P1	11	YELLOW	
16	3.5"	RS-485 -	Cable 1	COM1 RS-485 -	P1	12	GRAY	
17 (RJ45-1)	4"	Ethernet Tx +	Cable 1	ETHERNET-TXP	P1	28	PURPLE	
18 (RJ45-2)	4"	Ethernet Tx -	Cable 1	ETHERNET-TXN	P1	27	GREEN	
19 (RJ45-3)	4"	Ethernet RX +	Cable 1	ETHERNET-RXP	P1	26	PURPLE	
20 (RJ45-6)	4"	Ethernet RX -	Cable 1	ETHERNET-RXN	P1	25	BROWN	
21	3.75"	RS232 TX	Cable 1	COM1 RS-232 TXD	P1	7	GRAY	
22	3.75"	RS232 RX	Cable 1	COM1 RS-232 RXD	P1	6	PURPLE	
23	3.75"	RS232 GND	Cable 1	COM1 RS-232 GRND	P1	10	PURPLE	
24	3.5"	No Connection	Cable 1	COM1 RS-485 Sheild	P1	13	BLACK	
25	4.5"	RS-485 XMT/RCV+	Cable 1	COM4 RS-485 +	P1	1	RED	
26	3.5"	Aux Power L	Cable 1	AUX Power L(+)	P1	35	RED	
27	4.5"	RS-485 /RCV-	Cable 1	COM4 RS-485 -	P1	2	BLACK	
28	3.5"	Aux Power N	Cable 1	AUX Power N(-)	P1	34	BLACK	
Pin on back of case	3.5"	GND	Cable 3	AUX Power GND	P1	33	GREEN	

Connectors			
P1	36 pin Molex connector		Internal
P2	18 pin Molex connector		Internal