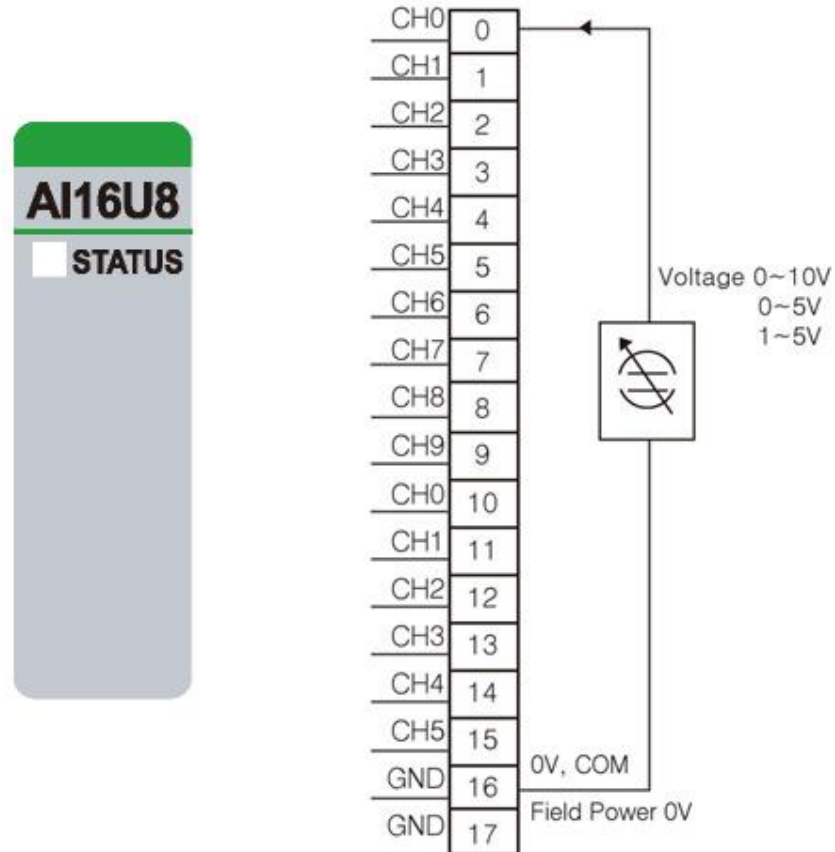


## URA-1600U-8 (AI16U8) - 16 Analog Voltage Inputs 16bit

Items	Specification
Inputs per module	16 Channels single ended, non-isolated between channels
Indicators(Logic side )	1 Green Uni-I/O status LED
Resolution in Ranges	16 bit (Include Sign) 15 bits : 0.31mV/bit(0~10V) , 0.15mV/bit(0~5V), 0.12mV/bit(1~5Vdc)
Input Current Range	0~10Vdc, 0~5VDC, 1~5VDC
Data Format	16bits Integer (2's complement)
Module Error	±0.1% Full Scale @ 25°C (77°F) ambient ±0.3% Full Scale @ -40°C, 60°C (-40°F to 140°F)
Input Impedance	500kΩ
Conversion Time	All Channel<1.3ms
Calibration	Not Required
Common Type	2 Common, Field Power 0V is Common(AGND)
Power dissipation	Max. 210mA @ 5.0VDC
Isolation	I/O to Logic : Photocoupler Isolation Field power : Not Connected
Field Power	Not used Field power bypass to next expansion module
Wiring	I/O Cable Max. 0.75mm <sup>2</sup> (AWG 18)
Weight	63g
Module Size	12mm x 109mm x 70mm
Operating temperature	-40°C to 60°C (-40°F to 140°F)

## 1. Wiring Diagram



Pin No.	Signal Description
0	Input 0
1	Input 1
2	Input 2
3	Input 3
4	Input 4
5	Input 5
6	Input 6
7	Input 7
8	Input 8
9	Input 9
10	Input 10
11	Input 11
12	Input 12
13	Input 13
14	Input 14
15	Input 15
16	Input Common(AGND)
17	Input Common(AGND)

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## 2. LED Indicators

LED No.	LED Function / Description	LED Color
0	Input 0	Green

Status	LED	Indication
Uni-I/O Status	Off	Disconnection
	Green	Connection