

**HSL-AI16-M-T**

16-CH Analog Input Module

**Specifications**

- Slave ID consumption: 2
- LED indicator: Power and Link
- Power supply required: 10~30V<sub>DC</sub>
- 16-CH single-ended or 8-CH differential analog inputs(Jumper Select)
- Resolution: 16 bits
- Unit Conversion: Thermocouple, mV, V or mA
- Input range programmable 6 levels(Bipolar): ±2.5V, ±1V, ±500mV, ±100mV, ±50mV, ±15mV, ±20mA
- Input range programmable 6 levels (Unipolar): ±2.5V, ±1V, ±500mV, ±100mV, ±50mV, ±15mV, ±20mA
- Input range (Thermocouple Type, both Unipolar and Bipolar) : J, K, T, E, R, S, B, N, C  
J: 0°C~760°C  
T: -100°C~400°C  
R: 500°C~1750°C  
B: 500°C~1800°C  
C: 0°C~2320°C  
K: 0°C~1370°C  
E: 0°C~1000°C  
S: 500°C~1750°C  
N: -270°C~1300°C
- Sampling Rate(all channels) : 100Hz

**HSL-AI16-M-V/HSL-AI16-M-A**

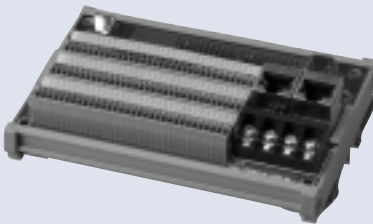
16-CH Analog Input Module

**Specifications**

- Slave ID consumption: 1
- 16-CH single-ended or 8-CH differential analog input  
-V: for voltage input  
-A: for current input
- Resolution: 12-bit
- Input range: Bipolar: ±10V, ±5V, ±2.5V, ±1.25V  
Unipolar: 0~10V, 0~5V, 0~2.5V, 0~1.25V
- Current: 0~20mA
- Conversion time: 8mS
- Update rates (all channels): 32mS (Max.)
- Input impedance: 10M ohm
- Over-voltage protection: ±30V
- LED indicator: Power and Link
- Power supply: +10V to +30V<sub>DC</sub>
- Operating temperature: 0 to 60°C
- Storage temperature: -20 to 80°C
- Power consumption: 1.8W

**Call for availability****HSL-TB32-M-DIN**

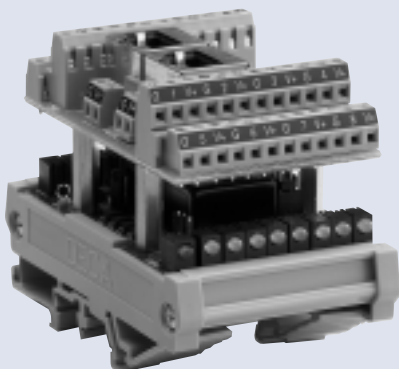
32-CH I/O Terminal Base

**Specifications**

- Field I/O wiring connection for HSL I/O modules
- Spring terminal for easy field wiring
- Power and ground included for each signal channel
- Interlocking design for rugged installation
- Power LED indicator
- DIN rail mounting
- Terminator resistor on board
- I/O Wire Gauge: 20 AWG. (max.); 28AWG. (min.)
- Power supply: +10V to +30V<sub>DC</sub>

**HSL-DI8D08-C-NN/HSL-DI8D08-C-NP/HSL-DI8D08-C-PN/HSL-DI8D08-C-PP**

8-CH Discrete Input 8-CH Discrete Output Module

**Specifications**

- Slave ID consumption: 1
- 8-CH digital input and 8-CH digital output  
-NN: for NPN sinking type sensor input or dry contact and NPN sinking type output  
-PN: for PNP sourcing type sensor or wet contact and NPN sinking type output  
-NP: for NPN sinking type sensor or dry contact and PNP sourcing type output  
-PP: for PNP sourcing type sensor or wet contact and PNP sourcing type output
- Photo couple isolation voltage: 2500Vrms
- Input impedance: 4.7KΩ
- Input current: ±10mA (Max) , ±12.5mA (Peak)
- Input voltage: ±40V (Max)
- Output switching capacity: Single channel 500mA; all channels 60mA at 24V<sub>DC</sub>
- Output response time: ON→OFF: 180μs, OFF→ON: 1.2μs
- LED indicator: Power, Link and I/O status
- On board field I/O wiring connection for HSL I/O modules
- Spring terminal for easy field wiring
- Power and ground included (each pair of power/ground was shared by two I/O points)
- DIN rail mounting
- Terminator on board
- I/O Wire Gauge: 16 AWG. (max.); 24AWG. (min.)
- Power supply: +10V to +30V<sub>DC</sub>
- Operating temperature: 0 to 60°C
- Storage temperature: -20 to 80°C
- Power consumption: 1.4W