

# ADAM-6117

# ADAM-6124

8-ch Isolated Analog Input Real-time Ethernet Module

4-ch Analog Output Real-time Ethernet Module



Vertrieb durch **AAC**  
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ADAM-6117

FCC CE RoHS COMPLIANT 2002/95/EC

ADAM-6124

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## Specifications

### Analog Input

- Channels 8 (differential)
- Input Impedance > 10 MΩ (voltage)  
120 Ω (current)
- Input Type mV, V, mA
- Input Range ±150 mV, ±500 mV, ±1 V  
±5 V, ±10 V, 0~20 mA,  
4~20 mA, ±20 mA
- Span Drift ± 30 ppm/°C
- Zero Drift ± 6 μV/°C
- Resolution 16-bit
- Accuracy ± 0.1% of FSR (Current) at 25°C  
± 0.2% of FSR (Current) at 25°C
- Sampling Rate 10 sample/second (total)
- CMR @ 50/60 Hz 92 dB
- NMR @ 50/60 Hz 67 dB
- High Common Mode 200 V<sub>DC</sub>

## Ordering Information

- ADAM-6117EI 8-ch Isolated AI EtherNet/IP Module
- ADAM-6117PN 8-ch Isolated AI PROFINET Module

## Specifications

### Analog Output

- Channels 4
- Output Impedance 2.1 Ω
- Output Settling Time 20 μs
- Driving Load Voltage: 2kΩ  
Current: 500 Ω
- Programmable Output Slope 0.125 ~ 128 mA/sec  
0.0625 ~ 64 V/sec
- Output Type V, mA
- Output Range 0 ~ 5 V, 0 ~ 10 V, ± 5 V, ± 10 V  
0 ~ 20 mA, 4 ~ 20 mA
- Accuracy 0.3% of FSR (Voltage) at 25°C  
0.5% of FSR (Current) at 25°C
- Resolution 12-bit
- Current Load Resistor 0 ~ 500 Ω
- Drift ± 50 ppm/°C

### Digital Input

- Channels 4 (Dry Contact only)
- Dry Contact Logic 0: Open  
Logic 1: Closed to DGND

## Ordering Information

- ADAM-6124PN 4-ch Isolated Analog Output PROFINET Module

## Common Specifications

<h3>General</h3> <ul style="list-style-type: none"> <li>▪ LAN 10/100Base-T(X)</li> <li>▪ Power Consumption ADAM-6117: 3.5 W @ 24 V<sub>DC</sub> ADAM-6124: 6 W @ 24 V<sub>DC</sub></li> <li>▪ Connectors 2 x RJ-45 LAN (Daisy Chain) Plug-in screw terminal block (I/O and power)</li> <li>▪ Watchdog System (1.6 second)</li> <li>▪ Power Input 10 ~ 30 V<sub>DC</sub></li> </ul>	<h3>Protection</h3> <ul style="list-style-type: none"> <li>▪ Isolation Protection 2,500 V<sub>DC</sub></li> <li>▪ Built in TVS/ESD Protection</li> <li>▪ Power Reversal Protection</li> </ul> <h3>Environment</h3> <ul style="list-style-type: none"> <li>▪ Operating Temperature -10 ~ 70°C (14 ~ 158°F)</li> <li>▪ Storage Temperature -20 ~ 80°C (-4 ~ 176°F)</li> <li>▪ Operating Humidity 20 ~ 95% RH (non-condensing)</li> <li>▪ Storage Humidity 0 ~ 95% RH (non-condensing)</li> </ul>
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