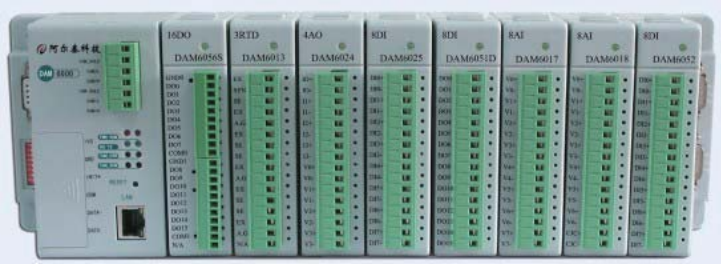
DAM-6000 Series Modules

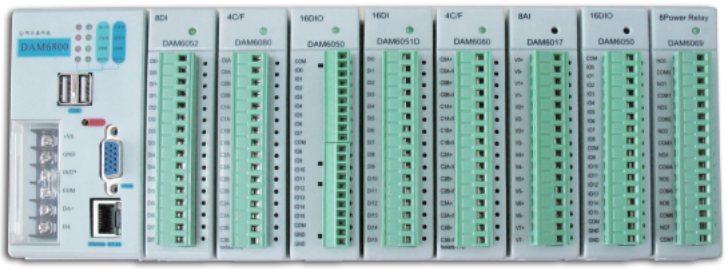
DAM6000 series through multi-channel I/O modules for data acquisition and process control, and provides flexible data acquisition and control applications for industrial application. This product consists of two parts: the base (main unit) and I/O modules. The main unit contains two parts: DAM6600Distributed RS-485/Ethernet data acquisition and control system, DAM6800 visual data acquisition and control system.



DAM-6600

8-Slot ARM7 Processor Distributed RS485 / Ethernet Data Acquisition and Control System

※ ARM7 processor
※ Intelligent RS485 automatic data flow control with built-in RS232 communication
※ Transmission Speed: can be up to 115200bps
※ 10/100 Base-T Ethernet interface
※ Support Modbus RTU and Modbus TCP (Server, Client) protocol
※ 2-channel CAN bus interface
※ Can be connected with 8 pieces of DAM-6000 series I/O modules simultaneously



DAM-6800

8-Slot ARM9 processor distributed RS485 / Ethernet data acquisition and control system

※ ARM9 processor
※ With built-in WinCE OS, so users can develop with EVC or VS programming language
※ Can be connected with Keyboard and Mouse
※ With VGA interface, can connect with the 800*480 resolution (max) display screen
※ 10/100 Base-T Ethernet interface
※ Support Modbus RTU and Modbus TCP (Server, Client) protocol
※ Can be connected with 8 pieces of DAM-6000 series I/O modules simultaneously

The Following Modules Belong to the DAM-6000 Series I/O Modules

DAM6013

3-Channel Hot Resistance Input Module

※ Resolution: 16-bit
※ Number of Channels: 3-channel hot resistance input (It can be configured as PT100, Cu50 or Cu100 hot resistance input by software configuration)
※ Isolation Voltage: 3000Vrms
※ Input Connection Type: 2-wire, 3- wire or 4-wire
※ Sampling Rate: 10Hz
※ Input Impedance: 2M
※ Accuracy: ±0.1%
※ Zero Drift: 0.5uV/℃
※ Full-Scale Drift: 1.0uV/℃
※ CMR @ 50/60Hz: 100dB
※ NMR @ 50/60Hz: 100dB
※ Power Consumption: 1.2W (+5V power supply)

DAM6017

8-channel Analog Input Module

※ 16-bit resolution
※ Analog Input Channels: 8 differential inputs
※ Input Signal Type: mV, V or mA (software configuration)
※ Input Signal Range: ± 150mV, ± 500mV, ± 1V, ± 5V, ± 10V, ± 20mA
※ Accuracy: ≤ ±0.1%
※ Isolation Voltage: 3000V DC
※ Sampling Rate: 10Hz
※ Current Mode: internal resistance is 120
※ Voltage Mode: input impedance is 8MΩ
※ Zero Drift: 4uV/℃
※ Full-Scale Drift: ±25ppm/℃
※ CMR @ 50/60Hz: 150dB
※ NMR @ 50/60Hz: 98dB
※ Power Consumption: 1.2W (+5V power supply)

DAM6018

7-Channel Thermocouple Input Module

※ 16-bit resolution
※ 7 differential inputs
※ Input Signal Type: T/C, mV, V or mA (software configuration)
※ Input Signal Range: ±15mV，±50mV，±100mV，±500mV，±1V，±2.5V，±20mA
※ 3000V DC isolation
※ External cold junction compensation
※ Sampling Rate: 10Hz
※ Input Impedance: 2M
※ Accuracy: ±0.1%
※ Full-Scale Drift: ±25ppm/℃
※ Zero Drift: ±0.5uV/℃
※ CMR @ 50/60Hz: 150dB
※ NMR @ 50/60Hz: 98dB
※ Power Consumption: 1.2W (+5V power supply)

DAM6024

8-Channel Analog Output Module

※ 12-bit resolution
※ 4 voltage or 4current outputs (software configuration)
※ Isolation Voltage: 3000V DC
※ Output Range: 0~20mA, 4~20mA, 0~10V
※ Accuracy: voltage output: ±0.2%
current output: ±0.1%
※ Zero Drift: voltage: ±30uV/℃
current: ±0.2uV/℃
※ Temperature Coefficient: ± 25ppm/℃
※ Current Load Resistance: 500Ω
※ Power Consumption: 2W (+5V power supply)

DAM6050

16-Channel Digital Input or 16-channel Digital Output Module

※ Digital Input/Output Channels: 16
※ I/O Type: each channel can be set to input or output by DIP switch
※ Digital Input:
Dry Contact:
Logic level 0: ground
Logic level 1: open circuit
Wet Contact:
Logic level 0: +2V (max)
Logic level 1: +4V ~ +30V
※ Digital Output: Open-collector 30V
※ 100mA and 450mW maximum load
※ Power Consumption: 0.35W (typical) (70mA)
1.2W (maximum) (240mA)

DAM6051D

16-channel Digital Input Module with LED Display

※ Circuit Type: pull-up current: 0.5mA (source)
※ Input Voltage Level:
Logic level 0: +1 V (max)
Logic level 1: +3.5V ~ 30V
※ LED Indicator:
ON: the input logic level 1
input floating
OFF: the input logic level 0
※ Power Consumption: 0.3W

DAM6051S

16-Channel Isolation Digital Input Module with LED Display

※ 16 channels isolated digital inputs
※ Input Voltage Level:
Logic level 0: +3V (max)
Logic level 1: 10V ~ 50V
※ Optical Isolation: 2500V DC
※ LED Indicator:
ON: working
OFF: is not working
※ Power Consumption: 0.8W (typical)

DAM6052

8-channel Isolation Digital Input Module

※ 8 channel isolated digital inputs
※ Input Voltage Level:
Logic level 0: 1V (max)
Logic level 1: 3V ~ 30V
※ Optical Isolation: 5000Vrms
※ Power Consumption: 0.3W

DAM6055S

8-Channel Isolation Digital Input /Output Module with LED Display

※ 8 channels isolated digital input/output
※ Digital Input:
Dry Contact:
Logic level 0: open circuit
Logic level 1: ground (DIx connects with GND0)
Wet Contact:
Logic level 0: +3V (max)
Logic level 1: +10V ~ +50V (DIx and COM)
※ Digital Output: Open-collector 40V, 200mA maximum load
※ Optical Isolation: 2500V DC
※ Over-voltage Protection: 70VDC
※ LED Indicator: ON for working
※ Power Consumption: 0.68W (+5VDC power)

DAM6056S

16-channel Isolation Open-collector Output Module with LED Display

※ 16 channels isolated digital output
※ Digital Output: Open-collector 40V, 200mA
※ Optical Isolation: 2500V DC
※ LED Indicator: ON for working
※ Power Consumption: 0.6W (typical)

DAM6068

8-Channel Relay Output Module

※ Output Channels: 8 channels A relay output
※ Contact Rating: AC: 125V@0.5A
DC: 30V@1A
※ Isolation Resistance: 1000MΩ @ 500VDC
※ Switching Delay Time: ON: 3ms
OFF: 3ms
※ Power Consumption: 1.8W (max)

DAM6080

4-Channel Counter / Frequency Module

※ 4-channel 32-bit counter
※ Input signal can be set to isolated or non-isolated (jumper selectable)
※ Input Frequency:
1~1000HZ max (frequency mode)
5000HZ max (counter mode)
※ Mode: count (double-pulse, single-pulse) frequency
※ Isolation Voltage: 2500Vrms
※ Input Voltage:
Isolation: logic level 0: +1V (MAX)
logic level 1: + 3.5V~ 30V
Non-isolated: logic level 0: 0V ~ 0.8V
logic level 1: 2.3V~ 5V
※ Programmable Digital Noise Filter: 8~65000μsec
※ Power Consumption: 1W (+5VDC power)

DAM6056D

16-Channel Digital Output Module with LED Display

※ Digital Output Channels: 16
※ Digital Output: Open-collector 30V, 100mA
※ Loss Power Consumption 450mW
※ Solid-state relays can be controlled
※ LED Indicator:
ON: output logic level 1
OFF: output logic level 0
※ Power Consumption: 0.3W

DAM6060

6-Channel Relay Output Module

※ Output Channels: 2 channels A relay output
4 channels C relay output
※ Contact Rating: AC: 125V@0.6A
250V@0.3A
DC: 30V@2A
110V@0.6A
※ Isolation Resistance: 1000MΩ @ 500VDC
※ Switching Delay Time: ON: 3ms
OFF: 5ms
※ Power Consumption: 1.8W (max)

DAM6069

8-channel A-type Relay Output

※ Output Channels: 8 channels A-type power relay output
※ Contact Rating: AC: 250V@5A
DC: 30V@5A
※ Isolation Resistance: 1000MΩ @ 500VDC
※ LED Indication: ON for working
OFF for no working
※ Switching Delay Time: ON: 10ms
OFF: 5ms
※ Power Consumption: 2.2W (max)

DAM6081

4-Channel High-speed Counter/Frequency Module

※ 4-channel 32-bit counter, the max count value is 294967295
※ Input Frequency:
5~1MHz max (frequency mode)
1MHZ max (counter mode)
※ Mode: count (double-pulse, single-pulse) frequency
※ Input signal can be set to isolated or non-isolated (jumper selectable)
※ Isolation Voltage: 2500Vrms
※ Input Voltage:
Isolation: logic level 0: +1V (MAX)
logic level 1: +10V~ +30V
Non-isolated: logic level 0: 0V ~+ 0.8V
logic level 1: 2.3V~ +5V
※ 4-channel open-collector output, maximum load 30V, 100mA
※ Power Consumption: 1.5W