

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

SCHNEIDER ELECTRIC

Schneider Electric ACX-5740 Controller

Schneider Electric Industrial Controllers & PLCs. Accuracy: ± 15 mV ($\pm 0.56^{\circ}\text{C}$ from -23°C to $+66^{\circ}\text{C}$), Resolution: 5.0 mV.



MODEL

**Schneider Electric
ACX-5740**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

ACX-5740

LISTING

<https://aumictechlabs.com/products/acx-5740-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Schneider Electric ACX-5740 is a networked access control and automation controller engineered for industrial security and integrated building management. This unit directly replaces the ACX 780/781 series while adding native Ethernet IP capabilities alongside Infinet field bus support. It integrates 12 universal inputs, 12 supervised alarm inputs, 8 card reader/keypad inputs, and 4 Form C relay outputs in a single platform. Technical Specifications Processor and memory architecture centers on a powerful CPU paired with 128 MB DDR SDRAM and 32 MB Flash storage. The system allocates 12 MB RAM for application and runtime data, 48 MB RAM for personnel records, and 8 MB RAM for the operating system. Storage capacity extends to 480,000 personnel records. A battery-backed real-time clock maintains time accuracy, while an internal NiMH battery (3.6 VDC, 800 mAh) provides minimum 7-day backup for DDR SDRAM and clock function. Network connectivity features a 10/100 Mbps Ethernet LAN interface with hardware-accelerated IPsec/IKE encryption for secure communications. The controller supports one software-configurable RS-485 programmable port compatible with Infinet, wireless adapters,

RoamIO2, or third-party systems. Key Features 12 universal inputs: 0–5.115 VDC, temperature (-30°F to +230°F), digital on/off, or counter modes (to 4 Hz at 50% duty cycle) Universal input accuracy: ± 15 mV ($\pm 0.56^\circ\text{C}$ from -23°C to $+66^\circ\text{C}$) Input impedance: 10 k Ω to 5.120 V or 5 M Ω with pull-up disabled Input resolution: 5.0 mV 12 supervised alarm inputs supporting single or double resistor supervision 8 card reader/keypad inputs supplying +5 V or +12 VDC 4 Form C relay outputs, 24 VAC/30 VDC @ 3 A each, with manual override and LED status indicators 1 cabinet tamper input Flash memory enables online software updates Typical Applications Deploy in access control networks, security automation systems, and distributed building management requiring local processing, extended personnel databases, and encrypted network communication. Compatibility & Integration Works with NetController II and existing Infinet field bus ecosystems. Supports Wiegand readers, dedicated keypads, and reader/keypad combinations on assigned inputs.

Features & description

From manufacturer datasheet

Features

- 12 universal inputs; 8 reader/keypad; 4 FormCrelays • 4 enter/exit, up to 8 enter-only with xP expansion • 10/100 Ethernet; RS-485 Infinet; 128 MB SDRAM; 32 MB flash • Reader power +5 V at 120 mA or +12 V at 180 mA • Wiegand, ABA, or CardKey; up to 260 bits/card • 24 Vac 90 VA or 12-28 Vdc 50 W

ACX5740 Characteristics / Specifications

PARAMETER	VALUE
Model	ACX-5740
Manufacturer	Schneider Electric (Andover Continuum)
Instrument Type	Ethernet Access Controller
Series	ACX 57xx
Alias	ACX-5740; ACX 5740; ACX-4-0000000
Doors	4 enter/exit; up to 8 enter only with expansion I/O
Universal Inputs	12
Reader Keypad Inputs	8
FormCOutputs	4 with manual override switch
Tamper Input	1 (cabinet door/wall)
Universal Input Modes	voltage 0 to 5.115 VDC; temperature -30 F to 230 F (-34 C to 110 C); digital on/off; counter to 4 Hz 50 percent duty, 125 ms min pulse
Reader Types	Wiegand, ABA, or CardKey jumper selectable
Max Bits Per Card	up to 260 bits (UL evaluated to 37 bits Wiegand)
Reader Power	+5 VDC at 120 mA or +12 VDC at 180 mA jumper selectable
Max Reader Distance 18 AWG	500 ft (152.4 m)
Max Reader Distance 22 AWG	200 ft (60.96 m)
Relay Rating	24 VAC / 30 VDC at 3 A
Reader LED Outputs	2 each open collector up to 100 mA
Output Protection	5000 V isolation; 270 V MOV on each output
Power AC	24 VAC 50/60 Hz, 90 VA
Power DC	12 to 28 VDC auto-sensing, 50 W
Internal Battery	NiMH 3.6 VDC 800 mAh
Battery Backup	minimum 7 days DDR SDRAM and RTC
Memory SDRAM	128 MB
Memory Flash	32 MB

PARAMETER	VALUE
Personnel Records	up to 480000 local
Ethernet	10/100 with RJ-45; IPsec/IKE encryption family
RS4	one programmable Infinet field bus
Infinet Options	0, 8, or 32 nodes per order code
Dimensions	8.25 inWx 9.5 inLx 2.25 in H (209.6 × 241.3 × 57.2 mm)
Weight Listing	1.73 lb (datasheet family)
Operating Temperature	0 to +50 C (32 to 122 F)
Humidity	10 to 90 percent RH noncondensing xP Power: 24 VDC 360 mA for expansion modules
Encryption Option	H high encryption; X XDriver third-party/Modbus
SNMP	supported
Service Port	4-pin for ROAM I/O2 or wireless adapter
Firmware Companion	CyberStation 1.9 class with ACX 57xx 1.1 firmware (guide) Notes Specs from Schneider Electric ACX Series datasheet and ACX 57xx operation/installation guides. Confirm 5740 versus 5720 I/O count, Infinet node option, and reader voltage jumper.

General Specifications & Supplementary Characteristics

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Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
Technical Specifications	
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Notes

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Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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<https://aumictechlabs.com>

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.