

ACM-000-000-000-000-00-00-00 50080121-001

Ascent Control Module

Alerton ACM-000-000-000-000-00-00-00 50080121-001 is an Ascent Control Module. The ACM is a BACnet Building Controller and Niagara Framework platform that combines multi-controller execution, Ethernet connectivity and field-bus expansion in one controller.

IDENTITY	VERIFIED VALUE
Manufacturer	Alerton
Complete model	ACM-000-000-000-000-00-00-00 50080121-001
Product role	Ascent Control Module
System family	Alerton Ascent

MANUFACTURER SOURCE RECORDS

- 1. Alerton Ascent Control Module Data Sheet, LT-ACM Rev. 06.2 0721
- 2. Alerton official ACM product record and BACnet controller specifications

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Product Overview

System function

Alerton ACM-000-000-000-000-00-00-00 50080121-001 is an Ascent Control Module. The ACM is a BACnet Building Controller and Niagara Framework platform that combines multi-controller execution, Ethernet connectivity and field-bus expansion in one controller.

Multi-controller execution

Runs as many as six global controller instances on the ACM platform.

High-speed Ethernet

Provides two 10/100/1000 Ethernet interfaces for BACnet/IP and supervisory networking.

Flexible field integration

Supports MS/TP, Modbus TCP, Modbus RTU and TUX expansion through the documented architecture.

Expandable hardware

Accepts up to two option cards for the approved installation configuration.

Technical note

Retain the complete ACM marking and item identity. Confirm the installed option cards, network addressing, controller instances, MS/TP trunks, licenses and Compass or Niagara project before replacement or recommissioning.

Technical Data and Acceptance

PARAMETER	VERIFIED VALUE	PARAMETER	VERIFIED VALUE
Product identity	ACM-000-000-000-000-00-00-00 50080121-001	Clock	Real-time clock
Product type	Ascent Control Module	BACnet networking	BACnet IPv4 and IPv6
BACnet profile	BACnet Building Controller (B-BC)	BBMD capacity	Up to 4 BBMDs
Software platform	Niagara Framework	Modbus support	Modbus TCP and Modbus RTU
Controller instances	Up to 6 global controller instances	Modbus device capacity	Up to 384 devices
MS/TP LANs	Up to 6 EIA-485 MS/TP LANs	TUX support	Up to 4 trunks
Ethernet ports	2 x 10/100/1000 Ethernet	Expansion cards	Up to 2 option cards
Processor	Quad-core ARM Cortex-A9	Mounting	35 mm DIN rail
System memory	1 GB DDR3, 533 MHz / 1066 MT/s	Certifications	RoHS, CE, FCC Class B, ICES-003, C-Tick, UL 916 and BTL
Storage	Removable microSD		

Engineering boundary

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Applications and Engineering FAQ

APPLICATION	ENGINEERING CONTEXT
Building automation supervision	Coordinates BACnet control, alarming, scheduling and network integration in an Alerton system.
BACnet/IP integration	Connects approved building controllers and supervisory devices through Ethernet and IPv4 or IPv6.
MS/TP field networks	Supervises documented BACnet MS/TP trunks through the installed EIA-485 interfaces.
Legacy and Modbus integration	Integrates approved Modbus and TUX devices within the configured ACM project.

Model-Specific FAQ - Part 1

QUESTION	ANSWER
What is Alerton ACM-000-000-000-000-00-00-00 50080121-001?	It is an Alerton Ascent Control Module that combines a BACnet Building Controller profile with the Niagara Framework platform.
How many controller instances can Alerton ACM-000-000-000-000-00-00-00 50080121-001 run?	The official ACM data sheet lists up to six global controller instances.

Related Products

MODEL	APTER POWER PAGE
Foxboro FBM218 P0922VW	View Foxboro FBM218 P0922VW
Foxboro P0922AE	View Foxboro P0922AE

FAQ, Related Products and Sources

QUESTION	ANSWER
How many Ethernet ports does Alerton ACM-000-000-000-000-00-00-00 50080121-001 provide?	It provides two 10/100/1000 Ethernet ports.
Which BACnet network versions does Alerton ACM-000-000-000-000-00-00-00 50080121-001 support?	The ACM supports BACnet over IPv4 and IPv6.
How many MS/TP LANs can Alerton ACM-000-000-000-000-00-00-00 50080121-001 support?	The documented platform supports up to six EIA-485 MS/TP LANs.
Which Modbus interfaces are listed for Alerton ACM-000-000-000-000-00-00-00 50080121-001?	The official data sheet lists Modbus TCP and Modbus RTU support.
What should be backed up before replacing Alerton ACM-000-000-000-000-00-00-00 50080121-001?	Back up the project, licenses, users, addresses, schedules, trends and every configured network or trunk.
What confirms Alerton ACM-000-000-000-000-00-00-00 50080121-001 commissioning?	All configured networks, devices, alarms, schedules, trends and controlled building functions must pass the approved acceptance checks.

MODEL	APTER POWER PAGE
Foxboro FBM232 P0926GW	View Foxboro FBM232 P0926GW
Foxboro FBM206 P0916CQ	View Foxboro FBM206 P0916CQ

MANUFACTURER SOURCE RECORDS

- 1. Alerton Ascent Control Module Data Sheet, LT-ACM Rev. 06.2 0721
- 2. Alerton official ACM product record and BACnet controller specifications

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