Features and highlights

- **Powerful**
  76 MB total memory enables the VLX-PLATINUM to support more BACnet objects—alarms, schedules and trendlogs—than the current VLX.

- **Interoperable**
  BACnet-compliant controller supports BACnet IP via Ethernet network and/or BACnet MS/TP network.

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- **Fast**
  32-bit processor provides fast, reliable speeds.

- **Flexible**
  Supports applications that require complex sequences and a high number of alarms, schedules and trendlogs.

The Alerton® VLX-PLATINUM is a management-level controller that offers more than triple the memory of the current VLX controller to accommodate more BACnet objects such as alarms, schedules and trendlogs as well as more room for DDC. With an increased processor performance, this controller also offers significantly improved DDC execution speed.

The increased processor performance of the VLX-PLATINUM speeds up DDC execution: Field tests have shown speeds of up to seven times faster. Faster transactions enable the VLX-PLATINUM to gather trendlog data at a faster rate.

The VLX-PLATINUM can communicate using both Ethernet and MS/TP, with Ethernet the much preferred communication LAN for this high performance controller. If connected using Ethernet, the MS/TP LAN supports up to 10 BACnet MS/TP devices on its MS/TP trunk. It offers peer-to-peer DDC capability, allowing system-wide or global exchange data, and provides global DDC management for the BACnet devices on the MS/TP trunk. Modem support on a PTP port allows dial-up connectivity to the VLX-PLATINUM, enabling remote management of the site.

The VLX-PLATINUM features a sleek, new two-tone color cover that matches the BCM controllers.

Technical data

- **Power**   Unit requires 24 VAC, 50-60 Hz, 20 VA minimum. Half-wave rectified. EXPs and VLX can share unit power. Output loads powered separately.

- **Battery**   Replaceable 3.0V lithium battery provides up to 1.5 years (cumulative) real-time clock and RAM backup. Standby battery life is 10 years. Duracell DL2450 or equivalent.

- **Processor & Memory**   76MB of memory. 32-bit, 64MHz high-integration Motorola CPU.

- **Real-time Clock**   Onboard, battery-backed, real-time clock supports schedules, trendlogs, and timed automation functions.

- **EXP Modules**   Supports up to 8 EXPs, which daisy chain using simple, twisted-pair communication cables.

- **BACnet Networks**   Choose either Ethernet (recommended) or BACnet MS/TP. Integrated Ethernet adapter circuitry with RJ-45 jack for connection to 10Base-T (10 Mbps) or 100Base-TX (100 Mbps) networks.

- **BACnet Internet Protocol (IP)**   Annex J BACnet/IP support for interoperability on wide area networks (WANs) and campus area networks (CANs). BBMD capability with up to 31 other BBMDs.

- **Max. Dimensions**   7.125" (182mm)H X 7.3125" (185mm)W X 1.50" (38mm)D.

- **Environmental**   32–131 deg. F (0–55 deg. C). 0–95% RH, non-condensing.

- **BACnet Conformance**   B-AAC level device; tested and approved by BTL. See Protocol Implementation Conformance Statement (PICS).

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- **Ratings**

  Listed Underwriters Laboratories for Open Energy Management Equipment (PAZX) under the UL Standard for Safety 916

  EMC Directive 89/336/EEC (European CE Mark)

  FCC Part 15, Subpart J, Class A

  C-Tick listed (Australian Communication Authority—ACA)

- **Software**

  Programming Interface: BACtalk operator workstation over BACnet Ethernet.

  DDC: Direct digital controls (DDC) program executes locally every 0.5 second.

  Schedules: Local capacity for 100 BACnet schedules.

  Alarms: Up to 400 alarm setups stored locally as individually configurable BACnet event enrollment objects.

  Trendlogs: Up to 400 trendlogs store data point histories for analysis.

Ordering information

Item number	Description
VLX-PLATINUM	VLX BACnet controller—high performance

Specifications subject to change without notice