SC-450 System Controller

features |

Operates with both MobileAccess1000 and MobileAccess2000

Remotely managed through a standard Web browser

Real-time monitoring, diagnostics and control

Remote configuration and adjustment

Direct dial-up connection to the controller enables external PSTN connection to the system for troubleshooting or analysis

Hierarchical site elements organization in both topology tree and device view formats

Secured connection support via Mozilla 1.7 Web browser (over Sun Solaris OS environment)

Graphical display of elements indicates the device status

Base line option for Corning MobileAccess site devices shows on-site devices even if communication is lost with any of them

Colored event displays indicate fault levels

Remote configuration of external auxiliary alarm connections

The System Controller (SC-450) provides comprehensive management of the Corning MobileAccess system via an integrated Web GUI. The SC-450 minimizes downtime by detecting problems in real-time, and it optimizes site coverage by enabling adjustment of device parameters according to specific site conditions.

The SC-450 Controller provides the physical interface to Corning MobileAccess equipment and allows it to be remotely managed through a Web session opened to the controller from any computer in the same network; no other external applications are required.

For larger systems, the SC-450 provides management to slave controllers and their hosted devices, where the slave controllers can be other SC-450 controllers or 410 controllers.

SC-450 Controller | Figure 1

Hierarchical Topology Tree, Configuration Pane of Selected Device, Auxiliary Device Configuration | Figure 2

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SC-450 System Controller

specifications |

Management and Control Interface

• Console Ethernet connection
• LAN Ethernet connection
• Local RS-232 connector for access as a slave controller
• RJ-11 PSTN connection to internal modem

Integration with MobileAccess Systems

• 16 RJ-45 ports for connecting base units and RIUs
• Eight of the RJ-45 ports are software configurable for connecting to slave controllers
• Dry-contact alarms: D-type 15-pin connector for dry-contact alarm outputs for major and minor alarms
• D-type 26-pin connector for dry-contact alarm inputs for auxiliary alarm connections

Status Displays

• LCD showing alarm messages from monitored elements
• LEDs providing information on alarms and unit status:
  – Run: controller initialization and operation status
  – PWR: power input OK
  – Major and Minor LEDs: show alarm level

SC-450 Physical

Dimensions (H x W x D): cm (in)	4.44 x 48.26 x 29.97 (1U x 19 x 11.8)
Weight: kg (lb)	2.6 (5.8)

Power

Power Supply	36 to 60 VDC; 0.2A Max
Consumption	10 W

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SC-450 System Controller

specifications | (continued)

Environmental

Temperature	• Operating: 0° to +50°C (32° to 122°F)
	• Storage: 20° to 85°C (-4° to 185°C)
Humidity	• Operating: 95 percent (Non-condensing)
	• Storage: 95 percent (Non-condensing)

Standards and Approvals

US	FCC 47CFR Part 15(B), UL 60950-1
Europe	EN 301489, EN 60950-1
ISO	ISO 9001: 2000 and ISO 13485: 2003

ordering information |

Part Number	Product Description
SC-450	System Controller

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SC-450 System Controller

notes |

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