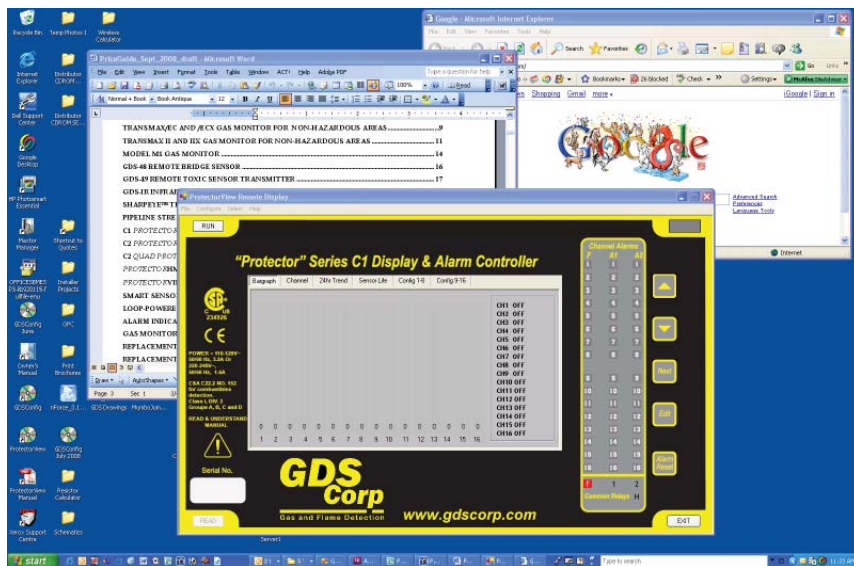


ProtectorView Software

Remote Display Software for GDS Corp C1 Protector Controllers

- * Remote access to C1 Protector controller real-time display data via 10/100 Ethernet link
- * Simultaneously monitor up to 31 other C1 controllers for alarm conditions
- * Display 16 channels of real-time, color enhanced data on simulated graphical controller interface
- * Individual screens for bargraph display (shown), individual 15 minute and 24 hour channel data, sensor life and channel config
- * View and print information on alarm settings and status, sensor life and more
- * Download and store controller-generated 24 hour history files in industry-standard “.csv” format for easy retrieval and analysis
- * Preset data for up to 32 controllers and view controller data instantly via drop-down menu selection
- * Requires Intel-based personal computer running Windows® XP operating system with a minimum of 1024 x 768 pixel display and 512MB of RAM
- * **IMPORTANT:** ProtectorView software provides data display and historian functions ONLY! ProtectorView is WindowsXP based and cannot be used to control critical alarm events.



GDS Corp ProtectorView remote display software for C1 Protector Controllers provides the ability to remotely view real time status and configuration data on any personal computer connected to a shared Ethernet network.

Full Color Controller Display

The color-enhanced display reproduces the C1 front panel and shows all sixteen channels in real time, with color coded alarm and mimic LEDs. Individual channels may be viewed separately with real time display of value, limits, zero and span settings and a locally-generated 15-minute trend graph.

Retrieve & Display Static Data

In addition to real time display of current values and alarm status, ProtectorView software can retrieve and display the most recent 24 hour data stored in the C1 Protector Controller's on-board memory. Each 24 hour sample set consists of 240 six-minute samples for minimum,

maximum and average values. Once uploaded, the data can be saved to a disk file in industry-standard comma-separated variable (".csv") format that can easily be imported into Microsoft® EXCEL®, Microsoft ACCESS™ or other data processing applications.

Initially, and every 30 minutes thereafter, all static controller data (tag names, alarm settings, etc) is read by ProtectorView and can be viewed or printed for reference.

View One While Polling Others

ProtectorView software can be configured to periodically poll up to 31 other Ethernet-based C1 controllers on approximately 30 second intervals. If any of these 'background' controllers are indicating an alarm condition, a message will appear and the user can switch controller views using a convenient drop-down menu.

Requirements

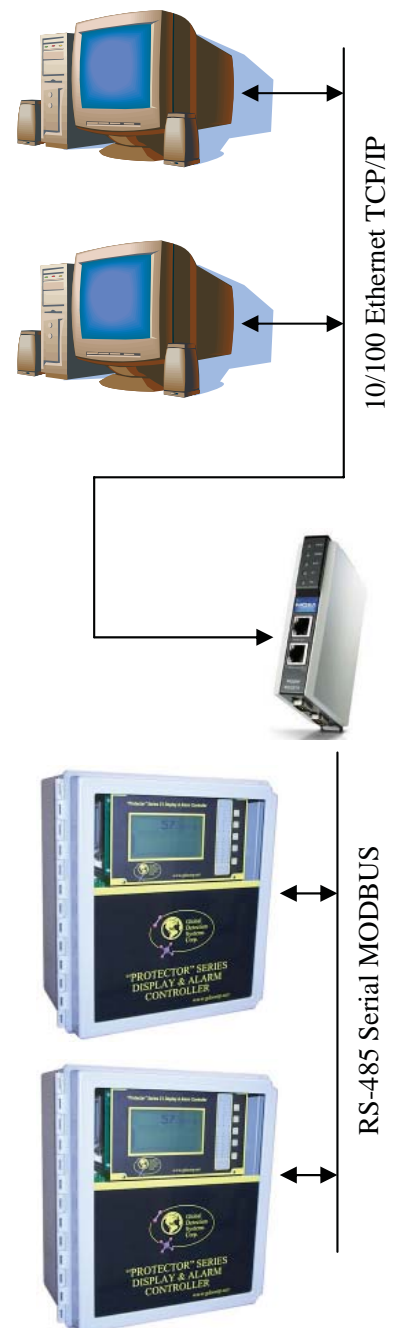
GDS Corp ProtectorView software runs on any Intel or AMD-based personal computer using the Windows® XP operating system. Multiple copies may operate simultaneously if more than one controller needs to be viewed in real time. The software is available separately or with a Class I, Div 2 certified MODBUS / TCP interface module for the C1 Protector Controller.

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ProtectorView SPECIFICATIONS	
PC System Requirements	Intel or AMD-based personal computer Pentium IV 2.0GHz or higher Windows® XP operating system with Service Pack 2 1024 x 768 pixel display or higher. 1280 x 1024 recommended 512MB RAM or higher; 1GB recommended 64MB disk space CDROM drive 10/100 Ethernet interface Internet Explorer 6.0 or higher
MODBUS / TCP Module	Class I Division 2 RS-485 serial to Ethernet MODBUS / TCP interface module. Multi-drop RS-485 serial for multiple controller support
Settings	Controller configuration (up to 32 preset controllers) Controller query rate (typical 1 second per controller, once per 30 seconds for polled, inactive controllers)
Bargraph Display	Bargraph Display screen mimics the display shown on the C1 Protector controller. Active channels are shown as Green, Yellow or Red depending on alarm status. Digital values and LED status are shown to the right.
Channel Information Display	Channel Information screen shows more detail for a specific channel, including the current value, most recent short term trend, minimum and maximum values, digital 'counts' value, and pre-programmed measurement name and engineering units values downloaded from the C1 Protector controller.
Twenty-four hour Trend Display	Each C1 Protector controller stores 24 hours worth of six-minute samples of each channel's minimum, average and maximum values. PROTECTORVIEW software allows the data set for each channel to be downloaded, viewed in detail and stored on the host computer in industry-standard 'comma-separated-variable' format for later analysis.
Sensor Life Display	If the C1 Protector controller is connected to a GASMAX /EC or GASMAX II gas monitor with local sensors, the remotely calculated Sensor Life parameter can be shown. Sensor Life, a value between 0 and 100%, is calculated by comparing the initial calibration values with those from the most recent calibration event.
Channel Setup Display	Shows static configuration data downloaded from the C1 Protector controller at startup and periodically thereafter on thirty-minute intervals. Static data includes the channel enable status, measurement name and engineering units, alarm settings.
Support	Three-month phone / email support with updates; email support for 1 year from date of purchase

ProtectorView ORDER GUIDE	
View-01	ProtectorView software plus Class I Division 2 MODBUS / TCP interface module, installation instructions for C1 Controllers (single user license)
View-01 SW	ProtectorView software only (single user license)
View-01 SITE	ProtectorView software only site license (up to 50 copies per company or site)



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