

# GASGUARD® Networking Tools

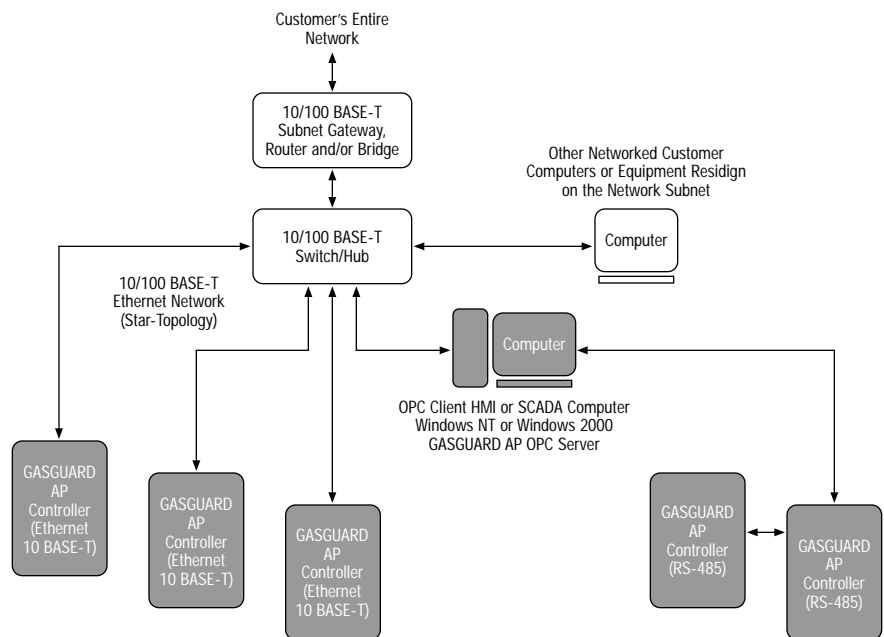
## GASGUARD AP Controller Ethernet Card

The GASGUARD AP Controller Ethernet Card is a network communication circuit board card for the GASGUARD AP controller series. The Ethernet Card plugs inside the GASGUARD AP controller for simple retrofit or upgrade of the controller communication capability. It features both legacy RS-485 compatibility as well as Ethernet communication. The GASGUARD AP Controller Ethernet Card thus enables flexible communication on serial networks such as the proprietary Air Products MMMS, or site-specific Ethernet networks through open standard software.

## Main Features

- 10BASE-T Ethernet, dedicated RJ-45 port for high-speed connectivity.
- 9600 Baud RS-485, dedicated RJ-45 port to provide compatible connectivity to legacy installations.
- Extensive onboard diagnostics through status LED.
- The GASGUARD AP Controller Ethernet Card is CE certified.

## Potential Network Topology



## **GASGUARD OPC™ Compatible Driver**

The GASGUARD OPC Compatible Driver is software that provides communication exchange from the proprietary Air Products MMMS protocol to the open standard OPC (OLE for Process Control™), enabling open connectivity for any mix of AP Controllers communicating via Ethernet or RS-485.

OPC is a standard for software connectivity designed to provide access to industrial-plant-floor data. Traditionally, software or application developers would write a custom interface, or server/driver, to exchange data with field hardware devices. OPC eliminated this requirement by defining a common, high performance interface that permitted this work to be done once, and then easily reused by HMI, SCADA and custom applications.

The GASGUARD OPC Compatible Driver main features:

- Open connectivity through OPC, the current industry trend used by most PLC and SCADA manufacturers. Users are able to choose from a wide variety of client software, allowing better utilization of best-in-breed applications particular to their site.
- Scalable software platform to match the facility hardware quantity requirements.
- High-performance connectivity.
- Improved customer productivity since less time is devoted to connectivity issues and more time to data application, thus eliminating a significant amount of duplicate effort.
- Windows NT and Windows 2000 compatible.

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