



# FieldServer Driver - Serial FS-8700-64 ATMI ACM Serial Driver

**Driver Code:** ATMI  
**Version:** 1.01b  
**Protocol Version:** N/A  
**Document Rev:** 0

**Devices Supported:**

Device	Tested
ACM Simulation software.	Factory
ACM Gas Analyser	ATMI premises

**Interface:** RS232 (RS-485 with converter) (Half-Duplex)  
**Baud Rates:** 9600 (Corresponds to default ACM settings)  
**Data Bits:** 8  
**Stop Bits:** 1  
**Parity:** None  
**Handshaking:** None

- The ATMI ACM driver is a passive client driver.
- The ACM unit's serial port settings are configurable. The FieldServer device can be configured to match all ACM port settings.
- The ATMI ACM driver can process serial port data formatted as screens by the ACM unit, identify gas data and store the data in data arrays which may be addressed by other drivers loaded in the FieldServer device.
- The following gas data is available
  - Gas Value (Integer)
  - Slot Warning State (Binary)
  - Slot Alarm State (Binary)
  - Port Warning State (Binary)
  - Port Alarm State (Binary)

In addition the driver can store the most recent sample's data separately, reporting the port number and gas values.

- ATMI ACM driver can store malfunction data.
- One device per FieldServer serial port. This limitation arises as the ACM units are not addressable.
- Locked and Demand Scans can be processed.