

## Overview

### Chapter Objectives

Chapter 1 provides an overview of your Enhanced DeviceNet communications adapter. In this chapter, you will read about the following:

- Function of the 1203-GU6 module or 1336-GM6 board.
- Features of the 1203-GU6 module and 1336-GM6 board.
- SCANport products.
- Parts and hardware of the 1203-GU6 module and 1336-GM6 board.
- Steps for setting up the adapter.
- Required tools and equipment.

### Overview of the Communications Adapter

There are two types of Enhanced DeviceNet adapters: the 1203-GU6 module and 1336-GM6 board.

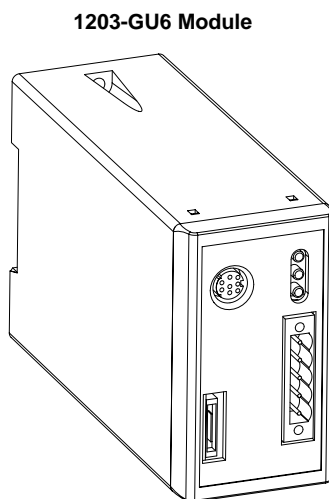
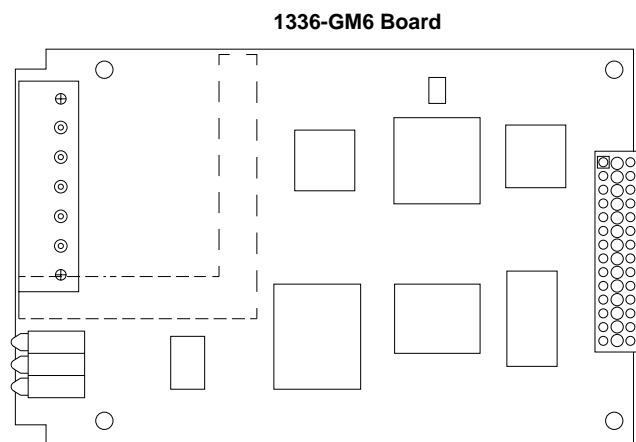


Figure 1.1

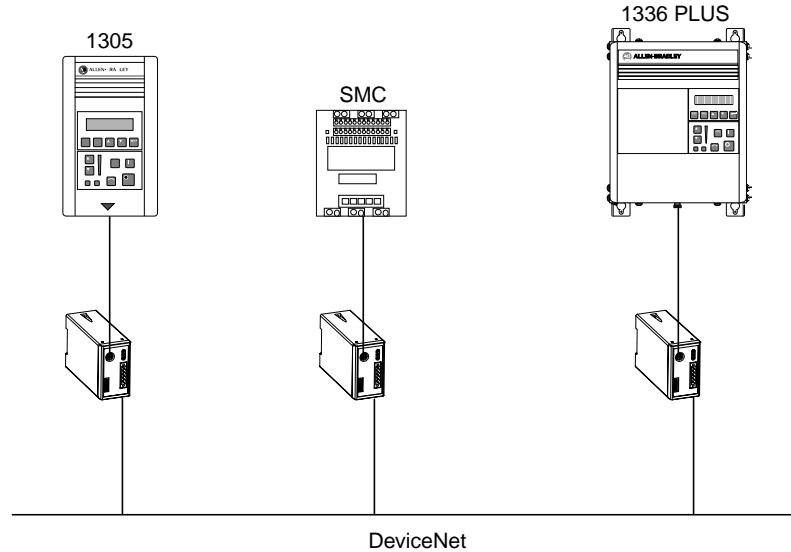
1203-GU6 Module and 1336-GM6 Board



The 1203-GU6 module mounts on a DIN rail and connects to the SCANport product via a SCANport cable. The 1336-GM6 board is mounted directly onto selected SCANport products so it connects to the SCANport product via an internal SCANport connector.

Both types of Enhanced DeviceNet communications adapter provide an electronic communications interface between a DeviceNet network and any single SCANport product.

**Figure 1.2 Example DeviceNet NetWork**



In Figure 1.2, a SCANport cable connects a 1203-GU6 module to a SCANport product through a port on the SCANport product. A DeviceNet cable connects the module to the DeviceNet network. The module then translates the DeviceNet messages into SCANport messages that can be understood by the connected product.

## Features of the Communications Adapter

The DeviceNet network is an open, global industry-standard communication network designed to provide an interface through a single cable from a programmable controller directly to “smart” devices such as sensors, push buttons, motor starters, simple operator interfaces and drives.

The 1203-GU6 module and 1336-GM6 board let you connect your SCANport products to a DeviceNet network. These adapters feature the following:

- Flash upgradeability allows for field updates in the event of changes to the adapter’s firmware.
- COS (Change of State) capability lets you customize this device’s activity on the network by configuring the adapter to report only new data.
- Cyclic operation lets you customize the devices’s activity on the network by configuring the adapter to report its data at specific intervals.