# Anybus-S - Drive Profiles

**The demand for Drive Profile support is increasing. System integrators see great benefits and time savings using equipment supporting drive profiles. The customers (plant owners) are demanding it since they will be less dependent on a single vendor and finally it simplifies education of plant maintenance and support personnel.**



Drive Profile technology encorporated into the proven Anybus-S concept extends the software functionality and makes it easier for drive manufacturers to make their products comply to the latest communication standards for drives. The Anybus module does not only contain the complete profile, it is also fitted with an application interface that is the same irrespective of what fieldbus is used.

HMS offers 6 different versions of the Anybus-S with Drive Profile Technology. EtherNet/IP, Profibus-PROFIdrive V2, DeviceNet AC/DC, ControlNet AC/DC, CANopen DSP402 and LonWorks 6010. Although the profiles are made for the same purpose, they differ a lot. Off course the physical medium and the protocol differs, but also the structure by which the data is organized. This means that PLC code Function Blocks can be reused from one project to another, even if the device supplier differs. The system integrator will not have to learn a new way of communication every time he enters a new project. This is very often the case today even if the fieldbus protocol is the same.

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**KEY FEATURES**

■ Same standard size and features of embedded Anybus-S interface

■ The drive does not need to know which fieldbus is installed

■ Common HW + SW interace to the drive: Customizable, Configurable, Mandatory parameters, Optional parameters, Vendor specific parameters

■ Standard "off the shelf" product

■ Serial + Parallel host interface in same module

■ Only one option module per fieldbus, even if many drive series can use the option

■ Parallel Features:- 2 kByte DPRAM, 8 bit data 11 bit address, 5 volt TTL-level interface, Handshake registers ensuring data consistency and fast data transfer

■ Serial Features:- Same set of commands as for parallel interface, Up to 57,6 k  with auto baudrate detection, 5 volt TTL-level interface, efficient and simple protocol

■ Fully configurable with the Drive Profile Development Tool

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