

Find Your Product:

HOME »
TECHNICAL ARTICLES » INTEGRATE THE AS-I CONTROLLER TO THE SMAR CONTROL AND AUTOMATION PLATFORM AND IMPROVE YOUR PLANT PERFORMANCE

 MY ACCOUNT LOG IN

[If you don't have a login, click here to register](#)
[Forgot your password?](#)

Integrate the AS-i Controller to the SMAR Control and Automation Platform and improve your plant performance



César Cassiolato
Marketing, Quality, Project and Services Engineering Director
SMAR Industrial Automation
cesarcass@smar.com.br

DF81 – HSE/AS-i Controller

This module of the [DFI302 – Process Control and Automation Platform](#) came out of the need for one more line of discrete equipment in the industry.

The **DF81 – HSE/AS-i Controller** is the SMAR AS-i solution included in its [SYSTEM302 – Process Control System](#), whose main feature is to work as an HSE - AS-i gateway to provide more connectivity and flexibility to the system.

This flexibility on the control strategies project with the **DF81 - HSE/AS-i Controller** makes possible the communication between field devices and other industrial communication protocols. In addition, its project meets complete solutions for distributed control in networks, including configuration and analysis functions, parameterization and acquisition of device data through the [AS-i network](#) configuration tool.



[Learn more about AS-i technology](#)

Main **DF81 - HSE/AS-i Controller** functional characteristics are:

- Gateway between HSE and AS-i;
- AS-i master based on version 2.1 (except for analog data), with 2 AS-i communication channels;

- Up to 124 AS-i slaves (62 slaves per channel – version 2.1);
- Access via internal bus for up to 64 conventional input/output modules;
- Ethernet communication (FOUNDATION™ HSE and/or Modbus TCP);
- EIA-232 serial communication (Modbus RTU and local diagnostic);
- Instantiation capacity for up to 1200 IEC-61131 Function Blocks;
- Diagrams and up to 100 FOUNDATION fieldbus Function Blocks;
- Flexible function block instantiation capacity;
- Discrete control through Ladder language in compliance with IEC 61131;
- Advanced control;
- Support to SNMP, time stamp, and OPC communication;
- Integrated webservice for diagnostic and parameterization;
- Modular structure for DIN rail;
- Air cooling without fan.



For more information see page [DF81 – HSE/AS-i Controller](#).

© Copyright 2019 | Nova Smar S/A - All rights reserved

