

**FDI Device Package  
Ethernet-APL  
Rail Field Switch ARS\*-IA\***

Software Release Notes



# Software Release Notes

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## Software Details

Software Name:	FDI Device Packages Ethernet-APL Rail Field Switch ARS*-IA*
Release Versions:	1.6.200
Release Date	14/Oct/2024
Description	FDI Device Packages for Ethernet-APL Rail Field Switch ARS*-IA*

## 1. Software Version 1.\*

### 1.1 Software Version 1.6.200

#### 1.1.1 Supported Products

- ARS\*-IA\*-, requires at least PANOS firmware version 1.2.0

#### 1.1.2 Changed features

- Reduced requirement for minimum firmware version to 1.2.0.  
Beside Firmware version 1.3.0 and newer this package also supports all firmware versions 1.2.\*. If this package is used with Firmware 1.2.\* the new features of FDI Package 1.5.146 (see below) are not available but the FDI package itself is compatible to 1.2.\* firmware and all other functions of previous FDI Packages are available. The product documentation included in the FDI Package describes all functionality of Firmware Version 1.3.0.

### 1.2 Software Version 1.5.146

#### 1.2.1 Supported Products

- ARS\*-IA\*-, requires at least PANOS firmware version 1.3.0

#### 1.2.2 New features

- SFP physical layer data supported
- Temperature stress diagnostics and lifetime prognostics supported
- PROFINET port configuration can be ignored to allow disabling of ports if the DCS system does not handle port settings over PROFINET

#### 1.2.3 Changed features

- Update of product documentation

#### 1.2.4 Bug Fixes

- None

## 1.3 Software Version 1.4.128

### 1.3.1 Supported Products

- ARS\*-\*-IA\*-\*, requires at least PANOS firmware version 1.2.0

### 1.3.2 New features

- None

### 1.3.3 Changed features

- Update of GSDML file
- Update of product documentation

### 1.3.4 Bug Fixes

- Data rate for Dev port is not supported by device – removed from FDI package
- SNMP community strings are not evaluated in FDI package whether they are valid
- Alert timestamp is shown as edited in some FDI hosts, although it is a read-only value

## 1.4 Software Version 1.3.103

### 1.4.1 Supported Products

- ARS\*-\*-IA\*-\*, requires at least PANOS firmware version 1.2.0

### 1.4.2 New features

- Network communication load and communication error rates for Ethernet ports
- Communication statistics for PROFIBUS PA
- Alert reporting to a PROFINET controller (DCS alarming) can be disabled without disabling alerts shown at the web interface and FDI package
- Diagnostic shows hints about disabled or acknowledged alarms and disabled DCS alarming
- Status of the bulk power supply connection is shown at the diagnostics details of the device

### 1.4.3 Changed features

- Update of product documentation

## 1.4.4 Bug Fixes

- None

## 1.5 Software Version 1.2.85

### 1.5.1 Supported Products

- ARS\*-\*-IA\*-\*, requires at least PANOS firmware version 1.1.1

### 1.5.2 New features

- None

### 1.5.3 Changed features

- Update of GSDML file
- Update of product documentation

### 1.5.4 Bug Fixes

- None

## 1.6 Software Version 1.2.83

### 1.6.1 Supported Products

- ARS\*-\*-IA\*-\*, requires at least PANOS firmware version 1.1.1

### 1.6.2 New features

- FDI Package supports more parameters in the offline configuration menu
- FDI Package is digitally signed

### 1.6.3 Changed features

- Read performance of switch parameters is optimized for faster access
- Performance improvements for FDI Hosts using Common Host Components 1.5.1 (e.g. ABB Field Information Manager 2.4)
- Device information like serial number is also shown in the "Settings" menu as some FDI hosts don't provide the "Maintenance" menu

### 1.6.4 Bug Fixes

- SNMP parameters cannot be changed if SNMP is enabled/disabled by a PROFINET AR



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## 1.7 Software Version 1.1.55

### 1.7.1 Supported Products

- ARS\*-\*-IA\*-\*, requires at least PANOS firmware version 1.1.0

### 1.7.2 Changes

- Initial Release

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