

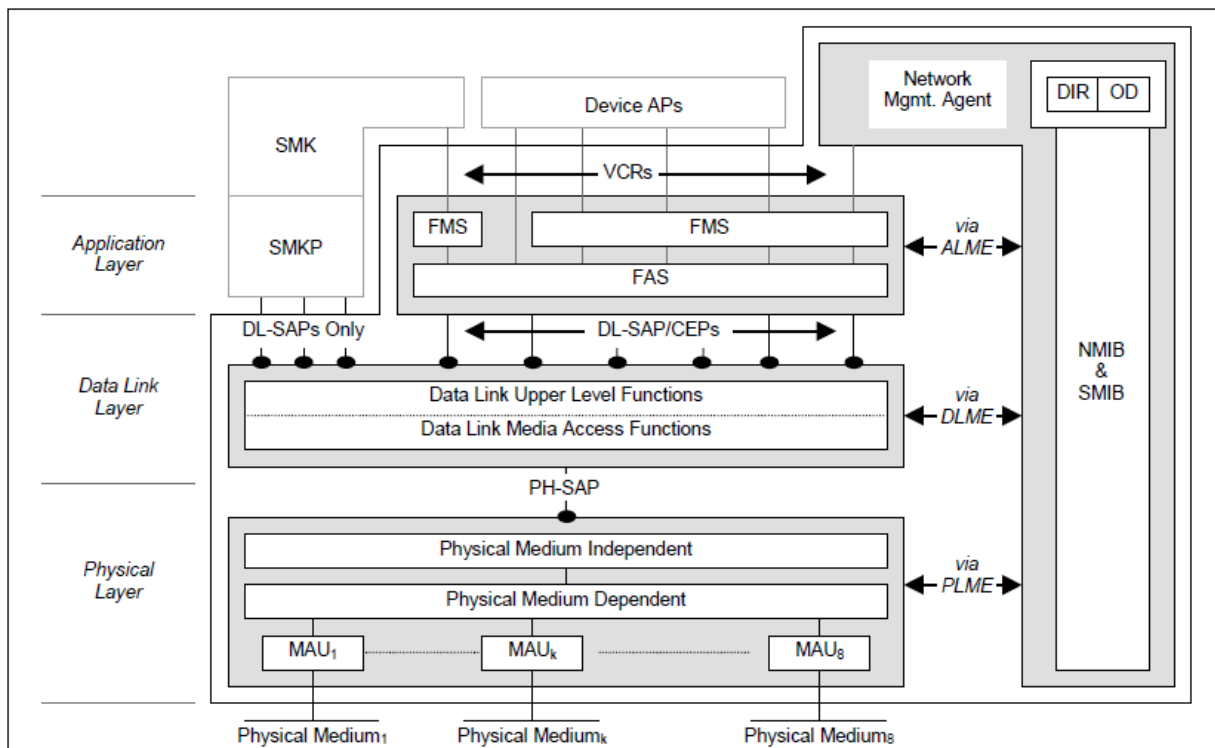


FOUNDATION™ Fieldbus Stack and Function Block Application

FOUNDATION Fieldbus Stack with Extra Features

Driver for fieldbus controller
 Fieldbus Data Link Layer
 Fieldbus Access Sublayer
 FMS
 Network Management Agent
 System Management Kernel
 Programmatically Accessible Stack
 Interface

NI operating system (multi-tasking, non-pre-emptive)
 Non-volatile memory handling
 Back-up Link Active Scheduler (LAS) functionality (optional)
 Function Block Shell with Callback registration system
 Template Driven Object Dictionary
 Hardware startup functionality





Fieldbus Controllers Supported

Aniotek UFC-100
Siemens SPC-42
Texas Instruments DAC8742H (under development)
Others available upon request

Microprocessors Supported

Renesas m16c
STMicro STM32F series and STM32L series (ARM Cortex M3/M4)
Others available upon request

Options

Backup Link Active Scheduler (LAS)
Common Software Download (CSD)
Block Instantiation
Function Block Development Toolkit
Standardized Connection Points (under development)

License Options

Paid-up Source Code
Paid-up Object Code
Paid-up Executable
Royalty Based Executable

FOUNDATION Fieldbus Standard Function Blocks Supported

Analog Input	Bias/Gain
Analog Output	Input Selector
Discrete Input	Totalizer
Discrete Output	Output Splitter
PID Control	Signal Characterizer
PD Control	Lead Lag
Control Selector	Deadtime
Ratio	Others available on request

FOUNDATION Fieldbus Custom Function Blocks Supported

Discrete Control Block
Analog Threshold Block

4/18/19