



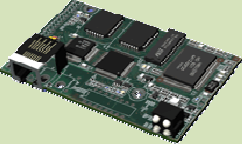
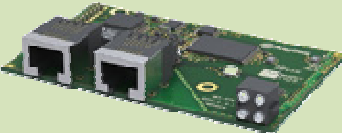
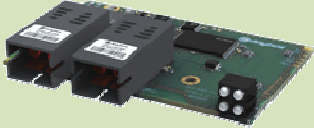
Profinet Requirements of the AIDA group of Automotive Manufacturer's and Implementation in the embedded Anybus Modules from HMS




A) Anybus-CC Profinet IO Modules

Requirement	Anybus-CC 1-Port Module	Anybus-CC 2-Port Module	Further Anybus-CC Modules
			
HMS Product Status	Series production	Series production	planned
Functionality	IO Device, Conformance Class A	IO Device, Conformance Class B	IO Device, Conformance Class C
2-Ethernetports per Device	No, single port solution	Yes	Yes
IRT, at least IRT pass-through	Not supported	Not supported	IRT
Media Redundancy MRP	No	planned for next Stack-update	Yes
Shared Device	No	planned for next Stack-update	Yes
Physical network interface and connectors	Copper, IP20, RJ45 (IP65 customized versions)	Copper, IP20, RJ45 (FO / IP65 as customized version)	Copper, IP20, RJ45 (FO / IP65 as customized version)
Fast-Startup	Yes	Yes	Yes
TCI Support	Possible through Application	Possible through Application	Possible through Application
PNO Certificate	Yes	Yes	planned
PROFIsafe	Module can be part of black channel	Module can be part of black channel	Module can be part of black channel
PROFInergy / PS integrated	Yes / No	Yes / Yes	Yes / Yes
Busdiagnostic LEDs	Yes	Yes	Yes
DCP / DHCP	Yes / Yes	Yes / Yes	Yes / tbd
Broadcast Bursts	According PNO specification	According PNO specification	According PNO specification
Central SW Management	Yes, via FTP	Yes, via FTP	Yes, via FTP
Topology Recognition LLDP	Yes	Yes	Yes
LLDP MIB	Yes	Yes	Yes
MIB II	No	Yes	Yes
Interface to an iPAR Server	planned	planned	planned
Network Management SNMP	Yes	Yes	Yes
IT-Functions	Webserver, FTP, E-Mail, TCP/IP Socket	Webserver, FTP, E-Mail, TCP/IP Socket	Webserver, FTP, E-Mail, TCP/IP Socket
Siemens DevKit Version	3.0.0.0 Update1	3.0.0.0 Update1	tbd
Processor	Anybus NP30	Anybus NP30	based on next Chip Generation
HMS Order Number	AB6215	AB6221	tbd

B) Anybus-S Profinet IO Modules

	Anybus-S 1-Port Module	Anybus-S 2-Port Module	Anybus-S Fibre Optic Module
Requirement			
HMS Product Status	Series production	Series production	Series production
Functionality	IO Device, Conformance Class A	IO Device, Conformance Class C	IO Device, Conformance Class C
2-Ethernetports per Device	No, single port solution	Yes	Yes
IRT, at least IRT pass-through	Not supported	IRT	IRT
Media Redundancy MRP	No	Yes	Yes
Shared Device	planned for next Stack-update	planned for next FW-update	planned for next FW-update
Physical network interface and connectors	Copper, IP20, RJ45 (IP65 customized version)	Copper, IP20, RJ45 (IP65 customized version)	AVAGO Technologies 2x SC-RJ QFBR Fibre Optic Transceiver
Fast-Startup	Yes	Yes	Yes
TCI Support	Possible through Application	Possible through Application	Possible through Application
PNO Certificate	Yes	Yes	Yes
PROFIsafe	Module can be part of black channel	Module can be part of black channel	Module can be part of black channel
PROFInergy / PS integrated	Yes / No	Yes / No	Yes / No
Busdiagnostic LEDs	Yes	Yes	Yes
DCP / DHCP	Yes / Yes	Yes / No	Yes / No
Broadcast Bursts	According PNO specification	According PNO specification	According PNO specification
Central SW Management	Yes, via FTP	Yes, via FTP	Yes, via FTP
Topology Recognition LLDP	Yes	Yes	Yes
LLDP MIB	Yes	Yes	Yes
MIB II	No	Yes	Yes
Interface to an iPAR Server	planned	planned	planned
Network Management SNMP	Yes	Yes	Yes
IT-Functions	Webserver, FTP, E-Mail, TCP/IP Socket	Webserver, FTP, E-Mail, TCP/IP Socket	Webserver, FTP, E-Mail, TCP/IP Socket
Siemens DevKit Version	3.0.0.0 Update1	3.2.0	3.2.0
Processor	Motorola MCF5272	Siemens ERTEC 200	Siemens ERTEC 200
HMS Order number	AB4392	AB4474	AB4571

C) Anybus-IC Profinet IO Modules

	Anybus-IC 1-Port Module	Further Anybus-IC Modules
Requirement		
HMS Product Status	Series production	Not planned yet
Functionality	IO Device, Conformance Class A	IO Device, Conformance Class B/C
2-Ethernetports per Device	No, single port solution	Yes
IRT, at least IRT pass-through	Not supported	Not supported
Media Redundancy MRP	No	Planned
Shared Device	No	No
Physical network interface and connectors	No network connector on board suitable for RJ45 and M8, M12	No network connector on board suitable for RJ45 and M8, M12
Fast-Startup	Yes	Yes
TCI Support	Possible through Application	Possible through Application
PNO Certificate	Yes	Planned
PROFIsafe	Module can be part of black channel	Module can be part of black channel
PROFenergy / PS integrated	Yes / No	Yes / tbd
Busdiagnostic LEDs	No LEDs on board can be connected externally	No LEDs on board can be connected externally
DCP / DHCP	Yes / Yes	Yes / tbd
Broadcast Bursts	According PNO specification	According PNO specification
Central SW Management	Yes, via FTP	Yes, via FTP
Topology Recognition LLDP	Yes	Yes
LLDP MIB	Yes	Yes
MIB II	No	Yes
Interface to an iPAR Server	planned	tbd
Network Management SNMP	Yes	Yes
IT-Functions	Webserver, FTP, E-Mail, TCP/IP Socket	Webserver, FTP, E-Mail, TCP/IP Socket
Siemens DevKit Version	3.0.0.0 Update1	tbd
Processor	Motorola MCF5272	based on next Chip Generation
HMS Order number	AB6005	n/a

PS = Profile Server