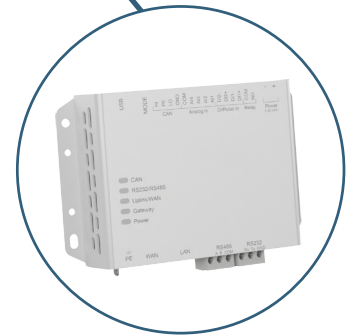


OEM Toolbox — Open gateway platform and SDK

HMS's OEM Toolbox provides device and machine manufacturers with a toolkit for tailoring the functionality of HMS industrial communication gateways. Users benefit from industrially pre-qualified communication gateways and existing certifications when developing a customized communication solution.

Your solution



Availability

OEM-NB301A

Robust gateway with metal housing. Comes with cellular and GPS capabilities.

OEM-NB301B

Robust and cost-effective gateway with metal housing.

Leverage on HMS certified hardware

HMS's OEM Toolbox is an open development platform that offers developers the possibility to create their own application within the Linux environment of HMS industrial gateways.

A software development kit (SDK) for the Open Gateway Platform contains development tools for software engineers and enables the creation of customized applications for the gateways included in the OEM Toolbox offer.

Using the SDK, it is possible to quickly develop connectivity solutions to fulfill traditional automation tasks as well as IIoT applications. Proprietary communication protocols, tailored control applications, IT/OT bridges, edge computing, etc. can all be directly loaded into the gateways provided by HMS.

The toolkit also enables connectivity to IoT software platforms such as ThingWorks, SAP, Microsoft Azure, Oracle since standard SDK agents have been pre-verified with the gateways.

Development services through HMS Solution Centers

HMS is also able to offer development services through the HMS Solution Centers. Competent development teams with many years' experience in industrial connectivity solutions, will help create a custom-made solution.

Manufacturing and production roll out

Once a solution has been developed and field tested, HMS will bring the solution into volume manufacturing, where the HMS supply team will pre-load the product with your tailored application.



Perfect for IIoT

It is easy to connect IIoT platforms such as ThingWorks, SAP or Oracle since standard SDK agents have been pre-verified with the gateways.



Brand labeling

The gateways are manufactured as white-labeled solutions. HMS offers the possibility to personalize the overlays and packaging to give the finished solution a branded identity.

TECHNICAL SPECIFICATIONS



Name	OEM-NB301A	OEM-NB301B
Housing	Metal housing	Metal housing
Power supply	9-32 VDC (crank support)	9-32 VDC (crank support)
Power consumption	4.5 W	2.5 W
Mechanical dimensions	92 x 135 x 27 mm	92 x 135 x 27 mm
Operating temperature	-40 to +65 °C	-40 to +65 °C
CPU	AM3352 (single-core A8 @ 600 MHz)	AM3352 (single-core A8 @ 600 MHz)
RAM	256 MB	256 MB
FLASH	512 MB	512 MB
Operating system	HMS Industrial Linux	HMS Industrial Linux
Cellular	3G: Five Band UMTS/HSPA+ (850/900/1800/1900 MHz)	-
Wireless	-	-
USB	1 x USB micro	1 x USB micro
Ethernet #1	10 / 100 Mbit	10 / 100 Mbit
Ethernet #2	10 / 100 Mbit	10 / 100 Mbit
Ethernet #3	-	-
CAN	1 x CAN (up to 1 Mbit)	1 x CAN (up to 1 Mbit)
Serial port #1	RS-232 Up to 115.2 kbit/s	RS-232 Up to 115.2 kbit/s
Serial port #2	RS-485 Up to 115.2 kbit/s	RS-485 Up to 115.2 kbit/s
Digital Input	2 x Dry contact	2 x Dry contact
Digital Output	-	-
Relay Output	1	1
Analog Input	4 x AI , all supporting 0-10 V or 0-20 mA and 2 x PT100	4 x AI , all supporting 0-10 V or 0-20 mA and 2 x PT100
GPS	Built-in (antenna** via SMA female)	-
LEDs	6x LEDs	5x LEDs
Certifications	CE UL _{US} Regional cellular approvals	CE UL _{US}

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