

Use-Case-Matrix for Automotive Ethernet Interfaces

Application Area		VN5640	VN5610(A)	VN5620	VN5430	VN7640	VX0312	VN8900
ECU communication	Simulate Optimal access to Ethernet networks in the scope of simulations with Vector CANoe.Ethernet	X	X	X	X	-	-	-
	Measure / Analyze Transparent analysis and validation of Ethernet networks	X	X	X	**	-	-	-
	Testing Used for more complex test tasks within an Ethernet network	X	X	X	X	-	-	-
	DoIP Access to ECUs via the DoIP standard. An additional DoIP activation line is available	X	X	X	X	X	X	X
Infrastructure	XCP Fast and reliable connection to a computer with measurement and calibration software via XCP-on-Ethernet	X	X	X	X	X	X	X
	Ethernet Mirror Ports The interface can be connected as an extension for loggers with Ethernet support. The data recorded by the interface is forwarded to the logger.	X	-	-	-	-	-	-
	USB Host Connection of the interface to the test PC via USB	X	X	X	-	X	X	X
	ETH Host Connection of the interface to the test PC via Ethernet (IEEE 1000BASE-T)	X	X	X	X	X	-	X
	Timesync Supported mechanisms for device synchronization	SW Sync	X	X	X	*	X	X
HW Sync		X						
IEEE1588 (PTP)		*				*		*
Area of use	Vehicle	X	X	-	-	X	X	X
	Office/ test stand	X	X	X	X	X	X	X

*= available in a later version

** = with restrictions