

Feature Matrix

CANalyzer/DENalyzer 7.2 and CANoe/DENoe 7.2

Feature	CANalyzer DENalyzer ¹		CANoe DENoe ¹		
	fun	pro	pex	run	full
General²					
CAN channels	32	32	32r	32	32
LIN channels	32	32	32r	32	32
MOST channels	16	16	16r	16	16
FlexRay channels (clusters)	32	32	32r	32	32
J1708/J1587 channels	4	4	4r	4	4
DBC databases (CAN)	n	n	nr	n	n
LDF databases (LIN)	n	n	nr	n	n
XML databases (MOST)	n	n	nr	n	n
FIBEX databases (FlexRay)	n	n	nr	n	n
CANdb++ Editor	✓	✓	✓r	✓r	✓
LIN File Editor (LDF, NCF)	-	-	-	-	✓
LIN File Editor Light (LDF, NCF)	✓	✓	✓	✓	-
LIN Schedule Designer	-	-	-	-	✓
LIN Network Viewer	✓	✓	✓	✓	✓
FIBEX Explorer pro (FlexRay)	-	-	-	-	✓
FIBEX Explorer View (FlexRay)	-	✓	-	✓	-
Analysis and Stimulation					
Configurable Measurement Setup	✓	✓	-	✓	✓
Measurement Setup Import	✓	✓	-	✓	✓
Trace Window (Detail, Difference and Statistic Views)	n	n	-	n	n
Bus Statistic Window	✓	✓	✓	✓	✓
Statistic Window	✓	✓	-	✓	✓
Statistic Protocol (CAN) ²	✓	✓	-	✓	✓
Trigger Block	n	n	-	n	n
Data Window	n	n	-	n	n
Graphic Window	n	n	-	n	n
Generator (CAN) ²	✓	✓	✓r	✓	✓
Interactive Generator (CAN, LIN, MOST, J1708/J1587) ²	✓	✓	✓r	✓	✓
Signal Generator	-	-	✓r	✓	✓
Interactive Master (LIN) ²	-	1	nr	nr	n
Node Simulation (LIN) ²	-	1	nr	nr	n
LIN Analysis Feature Set ²	-	✓	✓r	✓r	✓
LIN Stress Feature Set ²	-	-	✓r	✓r	✓
FlexRay Frame and PDU Panel	✓	✓	✓r	✓	✓
Cluster Monitor (FlexRay)	✓	✓	-	✓	✓
Filter & Channel Filter	✓	✓	-	✓	✓
Replay (CAN, LIN, MOST) ²	✓	✓	✓r	✓	✓
Offline Mode	✓	✓	-	✓	✓
Data export to *.MDF, *.CSV, *.MAT (Malab), *.DAT (Diadem)	✓	✓	✓	✓	✓

For special types of use at OEMs and suppliers CANoe is available in the following variants:

CANoe pex: As “Project Execution” version with only graphical user interface. Simulation, test cases and results are controlled and presented as simple as possible without requiring special evaluation of the underlying messages.

CANoe run: As runtime version with unchangeable configurations, full analysis functions and simple connection and disconnection of network nodes. This variant is intended for users who need a quick and easy way to test their ECU in its interplay with a predefined remaining bus simulation.

CANoe full: With full range of functional features.

Feature	CANalyzer DENalyzer ¹		CANoe DENoe ¹		
	fun	pro	pex	run	full
Programming					
CAPL programming	-	✓	-	-	✓
CAPL execution	-	✓	✓	✓	✓
CAPL debugging	-	-	-	-	✓
Panels					
Display Panel creation	✓	✓	-	✓	✓
Display Panel execution	✓	✓	✓	✓	✓
Control Panel creation	-	✓ ⁵	-	-	✓
Control Panel execution	-	✓ ⁵	✓	✓	✓
ActiveX Panel elements (OCX, .NET)	-	✓	✓	✓	✓
Simulation and Modeling					
Environment Variable definition	-	-	-	-	✓
Environment Variable access	-	-	✓	✓	✓
System Variable	-	✓ ⁵	✓ _r	✓ _r	✓
Simulation Setup	-	-	✓ _r	✓ _r	✓
Model design and generation	-	-	-	-	✓
Model execution	-	-	✓	✓	✓
Modelling libraries (transport protocol, interaction layer, network management)	-	-	✓ _r	✓ _r	✓
Test					
Test Setup	-	-	✓ _r	✓ _r	✓
Test Feature Set, Test Service Library	-	-	✓ _r	✓ _r	✓
XML Test Report	-	-	✓ _r	✓ _r	✓
LIN Conformance Tests (Master, Slave) ²	-	-	✓ _r	✓ _r	✓
Vector VT-System Support	-	-	✓	✓	✓
Diagnostics – Diagnostic Feature Set3 (CAN, LIN, FlexRay)²					
Diagnostic Observer	-	✓	-	✓	✓
Diagnostic, Fault Memory Console and OBD II Tester (CAN) ²	-	-	-	✓	✓
UDS/KWP2000	-	-	✓ _r	✓ _r	✓
DoIP	-	-	✓ _r	✓	✓
CAPL Diagnostics	-	-	✓ _r	✓ _r	✓
Basic diagnostic support (without description file)	-	✓ ⁵	✓	✓	✓
CANdelaStudio View	-	✓	-	✓	✓
VDS Library (.NET diagnostic scripting for CANoe, CANape and Indigo)	-	-	✓	✓	✓
Extensions					
CAPL-DLL	-	✓	✓ _r	✓ _r	✓
Analog/Digital Measurement Hardware	-	-	✓	✓	✓
IOcab Support	-	✓	✓	✓	✓
COM Interface	✓	✓	✓	✓	✓
Matlab Interface and Model viewer	-	-	✓ _r	✓ _r	✓

