NETWAY 92 Data Sheet

Stand-alone real-time multiplex simulation and analysis tool

FEATURE	NETWAY 92
Analog Inputs	8 channels (0~15V, 12 bits resolution)
Analog Outputs	8 channels, 12 bits resolution) 0-5V
Digital Inputs	16 channels, event generation on transition. "1" - greater than 3V, "0" if less
Digital Open Drain Outputs	16 channels, 50V/500mA
PWM Inputs	8 channels, measures frequency and duty cycle
PWM Open Drain Outputs	5 channels, 0-65534 Hz frequency and 0-99% duty cycle, 50V/500mA
(*)CAN channels	Maximum 8 CAN FD channels, selectable transceivers
(*)UART channels	Maximum 8 UART channels, selectable transceivers K-Line, RS485, RS232
(*)SPI/IIC channel	SPI or IIC channels available as alternative to UART channels
(*)SD Card	8/16/32/64 GB card, File operations controlled by the emulation
PC Interface	Mini USB, built-in serial bridge for firmware update
Network Connector	44-pin HDB connector for power, networks and I/O signals
Dimensions	5.25" x 4.25" x 1.25" (aluminum enclosure)
Application compatibility	Windows XP and later (32 or 64 bit OS)
Control Libraries	nwCtrl.dll – MS Studio 6, LabWindows, LabView (32 or 64 bit OS) nwCtrlCOM.dll – MS Studio 8, MS Studio 10 (32 or 64 bit OS)
Product ID	NW92
Note 1: Item designated with (*) are optional, specified by a customer	
Note 2: Control Library (nwCtrl.dll and nwCtrlCOM.dll) license must be purchased separately. The department license comes with library manual and demo examples	

Tool Features:

- **CAN:** up to eight (8) independent CAN / CAN FD channels
    - Selection of transceivers per channel: High-Speed Dual-Wire / Fault-Tolerance / Single-Wire(GMLAN)
    - Standard 11-bit and extended 29-bit header
    - Supports multi-frame CAN (ISO-15765)
    - J1939, J1979, and more
- **UART:** up to eight (8) independent channels: UART protocols - LIN 2.1(1.3), KWP2000, KWP1281, ISO9141-1, ISO9141-2, J1708, J1587, SAEJ1922, etc. Selection of transceivers per channel: LIN (K-Line), RS485, RS232, AOS. Block transfer support.
- **IIC:** one channel up to 400 Kbits/sec, Master or Slave configuration
- **SPI:** one channel up to 10 Mbits/sec, Master or Slave configuration
- **I/O Outputs:** Open drain, pull-up maximum to 50V, load maximum 500mA.
- **I/O Input** signals range 0-15V, 12 bits resolution.
- **SD Card:** allows open, close, rename, delete log files, card capacity status monitor, etc.
- **Emulation** script language for real-time networks and signals simulation, worst case resolution less than 1ms for all operations including data logging, network simulations and I/O signal measurement and generation.
- **Events** triggering by network messages, timers or/and I/O signal transitions
- **Stand-alone** operations including in-vehicle gateway, end-of-line test, on bench rest of vehicle simulator, data logging, etc. Sleep mode current consumption less than 1mA.
- **Flexible** dynamic filtering for data logging.
- When connected to PC unlimited logging and analysis with variety of graphical network signals representation is available. Traffic replay and more.
- **Warranty** and technical support (free software/firmware upgrades) for one full year from the purchase date