

GRYPHON[®] Product Line – Tools and Modules

DG Gryphon Tools



Gryphon S3



Gryphon G2



Standard Gryphon



S2 (S-CAT 2)

The **GRYPHON** hardware family of products has flexibility that allows users to configure their hardware with a variety of network modules: CAN, J1850 (Class 2, SCP, Chrysler), Honda UART, LIN, UBP, KWP2000, and an I/O module.

The **GRYPHON** hardware family of products interfaces to multiplexed automation and automotive communication networks via an Ethernet connection to provide a high-speed user interface.

Users can write their own applications using the provided client communication protocol specification or use one of Dearborn Group's software packages, such as the Hercules high-end analyzer.

CAN Protocol Modules



**QUAD CAN card
Type Q**

Part number:
DG-GRYPH-MOD-Q

Channels: One J2411 (SWCAN, GMW3089 version 2.2) channel. Three ISO 11898-2 CAN channels (PhilipsTJA1050 transceivers), Philips SJA1000 CAN controllers, opto-isolated.

Special Features: Software switchable termination resistor on each of the three ISO 11898-2 channels.



**QUAD CAN card
Type R**

Part number:
DG-GRYPH-MOD-R

Channels: Four ISO 11898-2 CAN channels (Philips TJA1050 transceivers), Philips SJA1000 CAN controllers, opto-isolated.

Special Features: Software switchable termination resistor on each of the four channels.

CAN Protocol Modules (continued)



ISO 11898 CAN card (SJA1000)

Part number:
DG-GRYPH-MOD-J

Channels: Two ISO 11898-2 CAN channels (Philips TJA 1050 transceivers), Philips SJA1000 CAN controllers, opto-isolated.

Special Features: Software switchable termination resistor, remote frame support, listen only mode, self-test mode, error level reporting, one digital input trigger, one digital output.



Single-wire CAN card (SJA1000sw)

Part number:
DG-GRYPH-MOD-W

Channels: Two J2411 (SWCAN, GMW3089 version 2.2) channels (Melexis TH8056 transceivers), Philips SJA1000 CAN controllers, opto-isolated.

Special Features: Remote frame support, listen only mode, self-test mode, and error level reporting.



Fault Tolerant CAN card (SJA1000ft)

Part number:
DG-GRYPH-MOD-A

Channels: Two fault tolerant CAN channels (Philips TJA1054 transceivers), Philips SJA1000 CAN controllers.

Special Features: Remote frame support, listen only mode, self-test mode, error level reporting, one digital input trigger, one digital output.

Other Standard Modules



LIN card

Part number:
DG-GRYPH-MOD-L

Channels: One LIN channel (Motorola MC33399 transceiver).

Special Features: Supports LIN 2.0 specification, master and slave functionality.



Dual LIN card

Part number:
DG-GRYPH-MOD-DL

Channels: Two LIN Channels (Motorola MC33399 transceiver).

Special Features: Supports LIN 2.0 specification, master and slave functionality.



J1708 card

Part number:
DG-GRYPH-MOD-01

Channels: Two J1708 Channels

Special Features: Supports J1587 and J1922 Messaging.

Other Standard Modules (continued)



GM J1850 (DLC) card

Part number:
DG-GRYPH-MOD-G

Channels: Two J1850 VPWM channels (Motorola 68HC58 DLC).

Special Features: Supports 4X (high-speed) mode.



Ford J1850 (SCP) card

Part number:
DG-GRYPH-MOD-F

Channels: One J1850 PWM channel (Motorola HBCC).

Special Features: Supports multiple speeds, supports IFR types 1, 2 (Broadcast / Function Query) and 3 (Function Read).



Chrysler (J1850, SCI) card

Part number:
DG-GRYPH-MOD-C

Channels: One J1850 VPWM channel (Motorola 68HC58 DLC), one SCI channel.

Special Features: Supports IFRs.



KWP2000 card

Part number:
DG-GRYPH-MOD-K

Channels: One ISO 9141 / KWP 2000 channel, using a Siliconix SI9241AEY transceiver.

Special Features: ECU and tester functionality.



I/O Card

Part number:
DG-GRYPH-MOD-I/O

Channels: ► Two digital inputs ► Four digital outputs

- Open collector
- Software selectable pull up (none, 5 VDC, VBAT)
- 200 mA max. current per pin

Special Features: One digital input channel can be configured for frequency capture with an accuracy of 0.5%.

Special Order Modules



Ford UBP card

Part number:
DG-GRYPH-MOD-U

Channels: One Ford UART-based (UBP) channel.
(Motorola SC74935DH UBP transceiver)

Special Features: Internal jumper for termination.



Honda UART card

Part number:
DG-GRYPH-MOD-H

Channels: One Honda UART channel.

Special Features: None