



CAN-PORT

CAN BUS TO RS232 ASCII GATEWAY

- Allows any device with a RS232 port to access CAN bus Data
 - 2 High Speed CAN bus Ports
 - Serial Port for GPS input
 - Serial Port for Modem or PC
 - J1939, OBD ISO and Raw CAN
-
- Cost-effective proven solution



Description

The CAN-PORT product is used to CAN bus and GPS data to RS232 compatible serial ASCII data.

This enables CAN bus data to be captured in real time and either logged using an RS232 data logger or to be made available on a Web site for remote logging and monitoring.

A typical application would be the monitoring of temperatures, speeds and location of delivery vehicles.

Two CAN interface ports are available which allows connection to two independent CAN networks. Using the CAN-PORT allows parameters of interest to be selected and statistical functions such as averaging or max/min to be carried out prior to logging. The unit also supports widely used protocols such as ISO-15765 and SAE-J939 as well as raw CAN frames.

A common application for CAN networks is in vehicle, transport and marine applications where the positional data available from the built in GPS interface is an important part of the data collected.

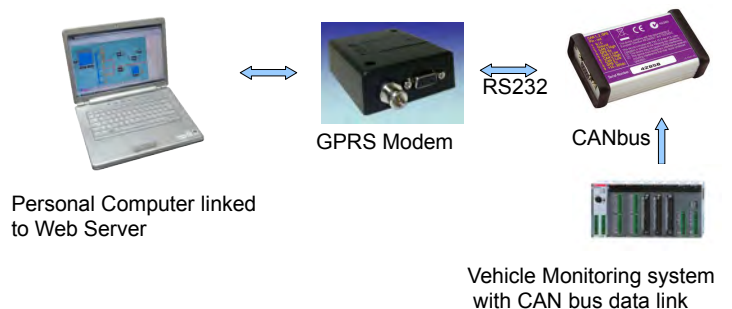
CAN-PORT can be configured and data collected by simple ASCII commands when connected to a PC using terminal software such as HyperTerminal.

Industrial Interface can supply and configure all the components required for your CAN bus monitoring system.

Example CAN bus Data.

PGN/SPN	Parameter	Units	B'cast
61444-512	Drivers Demand Engine	%	Yes
61444-191	Engine Speed	rpm	Yes
61444-1483	Source Address of Controlling Device for Engine currently co...	Adr	Yes
61443-974	Remote accelerator	%	Yes
61443-92	Percent Load at Current Speed	%	Yes
61443-91	Accelerator Pedal Position	%	Yes
61443-959	Accelerator Pedal Kickdown Switch	state	Yes
61443-958	Accelerator Pedal Low Idle Switch	state	Yes
61443-1437	Road Speed Limit Status	state	Yes
61442-807	Progressive Shift Disable	state	Yes
61442-606	Momentary Engine Overspeed Enable	state	Yes
61442-574	Shift in Process	state	Yes
61442-573	Retarder Enable Shift Assist Switch: Torque Converter	state	Yes
61442-560	Driveline Engaged	state	Yes
61442-522	Percent Clutch Slip	%	Yes
61442-191	Output Shaft Speed	rpm	Yes
61442-161	Input Shaft Speed	rpm	Yes
61442-1482	Source Address of Controlling Device for Transmission Contr...	Adr	Yes
61441-973	Engine Retarder Selection	%	Yes
61441-972	Accelerator interlock Switch	state	Yes

Typical Application: Uploading Vehicle Info onto Web server





Industrial Interface *The Signal Conditioning People*

Parameter	Min	Typ	Max	Comments
Supply Voltage	10Vdc	12Vdc	30Vdc	5V Power output is available to power GPS modules at 200mA max
Supply Current (mA)	50mA		250mA	15 V dc supply
CAN Port Speeds	10		1000kbits/s	Choose 10,20,50,125,250,500,1000
Physical Layer				ISO 11898-2 High Speed 2-wire CAN
Broadcast Parameters			150	
GPS Interface		RS232		NMEA-0183 Protocol
RS232 Aux port speed/con	300		115,200	ASCII ptcl RTS/CTS or XON/XOFF
Connectors				1 DE9 male Host PC/AT DTE pin-out 1 DE9 female CAN1/2 GPS POWER
Operating Ambient	-20°C		+70°C	
Relative Humidity			85%	non-condensing
Storage Temperature	-40°C		80°C	
Notes:				

Ordering Information	
Please supply:	
Part Number:	CAN-PORT
	Can-port complete with DE9 to screw terminal adaptor, Comms cable (DE9 to 5 way Screw Terminal) DE9 to DE9 PC cable User Guide and Host Software Getting Started Guide.