

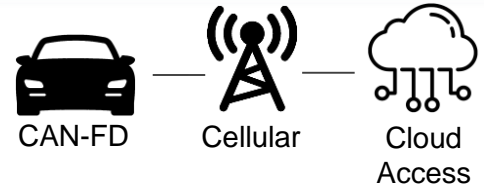


### GT1041 Datasheet Overview

The Gwentech GT1041 brings CAN-FD data to virtually any internet connected device.

Bi-directional communication from an internet connected application to a CAN-FD system with top level security features.

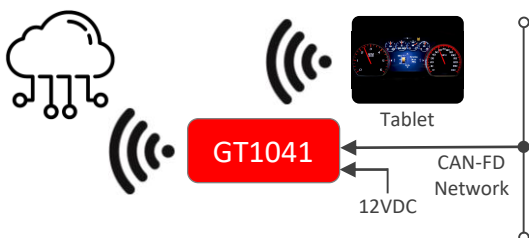
Showcase your automotive system performance by displaying vehicle CAN bus parameters on a tablet or external monitor.

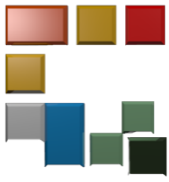


[GwentechEmbedded.com](http://GwentechEmbedded.com)

- CAN-FD to a maximum data rate of 12Mbit/s
- Standard D-Sub 9 pin connector with vehicle's 12V power input
- CAN Compliant to specification 2.0A and 2.0B
- Extended operating temperature range of -40 to 85°C
- For communicating on virtually any internet connected device
- Message structure available for developing custom apps
- Both send and receive to the CAN-FD bus
- Backwards compatible to standard CAN bus

### Connection Diagram





## GT1041 Datasheet Connections

CAN-FD  
Network



### CAN-FD and Power Connections

Pin	Function		
1	Power Ground		
2	CAN_L		
3	CAN Ground		
4	(no connection)		
5	CAN_H		
6	CAN Ground		
7	CAN_H		
8	120 ohm terminating resistor		
9	12VDC		

Connection Type: D-Sub Plug, Male pins

Connector: TE Connectivity 5747840-3

Note: To include the terminating resistor,  
connect pin 8 to CAN\_H





## GT1041 Datasheet

### Electrical and Mechanical Characteristics

Parameter	Characteristic	Note	Min	Nominal	Max	Units
$V_{CC}$	Supply voltage		9.0	12	16	VDC
$I_{CC}$	Supply current		50	100	250	mA
$f_{BIT}$	Bit frequency		0.125		12	Mbit/s
$t_{operating}$	Operating temperature		-40		+85	°C
$t_{storage}$	Storage temperature		-40		+85	°C
$D_w$	Width			42		mm
$D_H$	Height			23		mm
$D_L$	Length			81		mm

\* May be limited to 500mA by mobile device software

