

OBDII and EFI Interface:

The IQ3 Street Dash has a CAN interface module built directly into the circuitry from the factory. This interface is used to convert the CAN bus data stream found in most new vehicles, as well as some popular aftermarket ECUs into CAN bus data that is compatible with the IQ3 Street Dash. Data from this interface is then available to display data from the ECU's sensory array onto the IQ3 Street Dash.

Available IQ3 Street Dash ECU settings, selectable Pre-Programmed CAN protocols:

IQ3s Supported ECU	IQ3s Supported ECU
AEM V2/EMS-4/Infinity EMS	Holley Dominator
Electromotive TECGT	Fuel Tech (200,250,300,350,500)
MoTeC CAN (Data set 3)	Link G4+ Series
MegaSquirt-III (DIY Autotune)	MSD Atomic LS
Micro Tech	MSD Atomic TBI
Pro EFI	Big Stuff 3
Generic CAN	MEFI-4B
FAST XFI	OBD2

Wire Connection:

There are two (2) wires found in the rear main connector used for the OBD II and EFI interface connections.

A two (2) pin Deutsch connector is connected to the following wires:

Main connector Pin 17 = Yellow = Can High

Main connector Pin 26 = Green = Can Low

Adapter harnesses available

Although the consumer can terminate the mating Deutsch connector and connect to their ECU, adapter harnesses are available to ease installation. Mating connector is not supplied with dash, but is supplied with below adapter harnesses.

280-CA-EFICAN - Two bare wires for direct CAN interface

280-CA-EFIHOL - Holley Adaptor - includes Holley mating connector

280-CA-EFIFUEL- Fuel Tech Adaptor - includes Fuel Tech mating connector

280-CA-EFILINK- Link Adaptor - includes Link mating connector

280-CA-EFIATBI - Atomic TBI Adaptor - includes Atomic TBI mating connector

280-CA-EFIBS3 - Big Stuff 3 Adaptor - includes Big Stuff 3 mating connector

280-CA-EFIMEFI -MEFI 4B Adaptor - includes MEFI 4B mating connector

280-CA-EFIOBDII - OBDII Adaptor - includes OBDII mating connector

See included chart for list of available channels from each ECU. List may vary slightly as interfaces are sometimes being updated with information from ECU manufacturer.

Once connections are made, the dash will have to be synced and programmed for the selected ECU. See [Programming the Display Using the DataLink Software](#) sections for instructions on programming.

Channels Displayed	Channels Displayed													
	AEM	Motec (Data Set 3)	Megaquint-III DIY Autotune	Micro Tech	PRO EFI	PAST XFI GAN	Holley EFI	Fuel Tech	Link G4+ Series	MSD Atomic LS	MSD Atomic TBI	Big Stuff 3	Electromotive TecGT	IMEFI-4B
Engine RPM	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Engine Load	X	X												
Throttle Position	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Air/Fuel Ratio 1	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Air/Fuel Ratio 2	X	X												
Air / Fuel Correction			X			X								X
Air / Fuel Average							X							
EFI Voltage	X	X				X	X		X			X		
Battery Voltage			X	X				X	X	X			X	X
Water Temperature	X	X	X	X		X	X	X	X	X	X	X	X	X
Charge Temperature							X							
Manifold Temperature			X								X		X	X
Intake Air Temperature	X	X		X		X	X	X	X					
Oil Temperature								X						X
MAP A.B.S. Pressure													X	X
Manifold Pressure (Boost)		X	X	X	X	X		X	X	X	X		X	X
Boost Stage												X		
Turbo RPM												X		
Exhaust Gas Temperature 1	X		X											
Exhaust Gas Temperature 2	X													
Exhaust Gas Temperature 3	X													
Exhaust Gas Temperature 4	X													
Cam Angle 1									X					
Ignition Timing 1	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Knock													X	X
Knock Retard			X				X		X				X	
Injector Pulse Width		X	X	X		X	X		X				X	
Main Pulse Width Bank 1		X					X							
Main Pulse Width Bank 2		X					X							
Aux Pulse Width				X										
Injector Duty Cycle		X			X	X	X		X	X	X			
Injector Duty Cycle A								X						
Injector Duty Cycle B								X						
O2 Correction						X								
Power Adder Correction						X								
Wheel Speed					X									
Speed	X	X	X	X	X	X	X		X	X		X		X
Gear Indicator	X	X		X			X		X			X		
Fuel Pressure				X			X	X	X	X	X			
Pump Pressure														X
Oil Pressure				X			X	X	X		X		X	X
Crankcase Vacuum												X		
Custom 1	X	X	X	X	X									X
Custom 2	X	X	X	X	X									X
Custom 3	X			X	X									X
Custom 4	X			X	X									X
Control Flags				X										
Idle Air Control Position							X							
Injector Timing									X					
Barometer							X		X	X				
Fuel Flow						X	X							X
Lambda 1				X				X						
Manifold Vacuum														
Air Fuel Target			X		X		X							X
Bottle Pressure (nitrous)					X									
Waste Duty					X									
Waste Setpoint					X									
Fuel Composition			X											
MIL Check Engine														
Miss Counter														
Fuel Consumption														
Traction Control Retard			X											
Launch Control Retard			X											
2-Step Button Status								X		X				
Fuel Pump State								X						
AC State								X						
Fan State								X						
Fan Stat 1									X	X				
Fan Stat 2									X	X				
Traction State								X						
Drag Speed								X						
Closed Loop Stat									X	X				
Rev Limit Stat									X					
TCM Gear									X					
IAC Position											X			
DTC Counts										X				
O2 Stat										X				
FP Cav Stat										X				
Nitrous Stat										X				
BML Stat										X				
Fuel Press Stat										X				