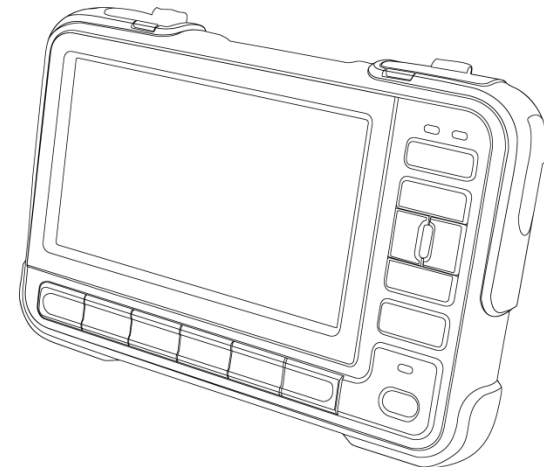




# GIT's brand new aftermarket diagnostic Scan Tool **G-SCAN**

February 22, 2010



## Part 1. G-Scan Overview

- I. Product Overview
- II. Business History

## I. G-Scan overview

- Windows CE
- HYUNDAI / KIA OEM H/W & S/W
- TPMS Ready H/W (option)
- WiFi PC connectivity (option)



### *Touch Screen and Keypad*

*Userfriendly design operating on both intuitive touch-screen and key strokes.*

### *Dual CPU*

*Two CPUs separately dedicated to computing and communication for all time maximum performance.*

### *CAN Enabled Onboard*

*Future proof hardware design by enabling all latest CAN-bus protocols on-board.  
No external module required.*

## II. HISTORY

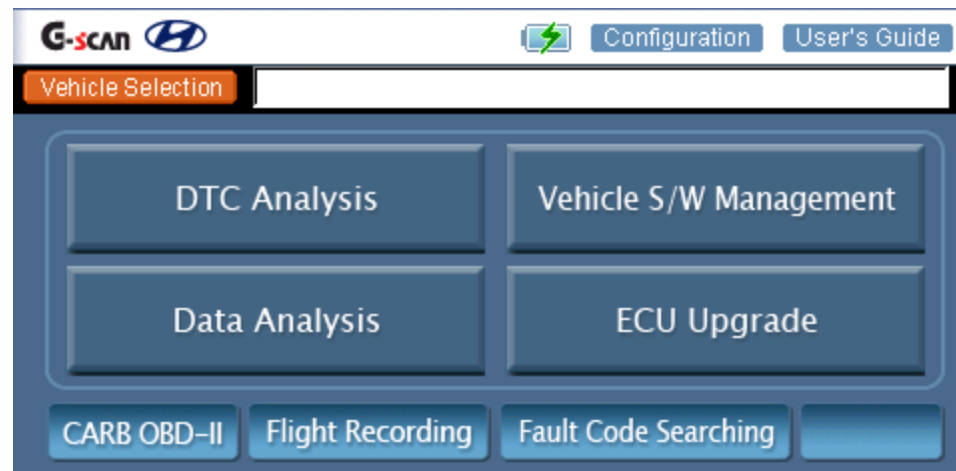
- Developed OEM diagnostic tools and service website for Hyundai Motor and Kia Motor from 2005 year.
- Merged an aftermarket diagnostic tool company (Inter-Support) in Japan who specializes in developing diagnostic software for Japanese vehicles in 2007.
- Started selling aftermarket diagnostic tool (G-Scan) in overseas markets.
- Aftermarket G-Scan was nominated as a best selling Scan Tool in aftermarket in Japan in 2008.
- Expanded sales territories to overseas general markets including Asian and Middle East in 2009.



### III. Highlighting Features

- **Software Reliability**

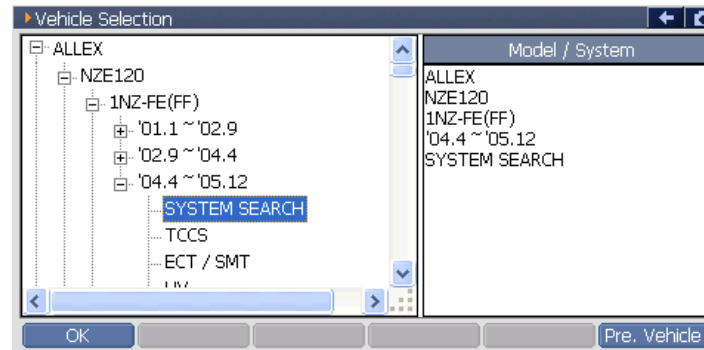
- Complete OEM software package for Hyundai and Kia is included.
- G-SCAN also was approved as an official OEM diagnostic tool together with Panasonic Tough Book PC-based GDS (Global Diagnostic Tool) for Hyundai and Kia.
- Software for Japanese vehicles have been developed by a diagnostic scan tool company (Inter-Support) in Japan who specializes in developing diagnostic software for Japanese vehicles, not reverse engineered.



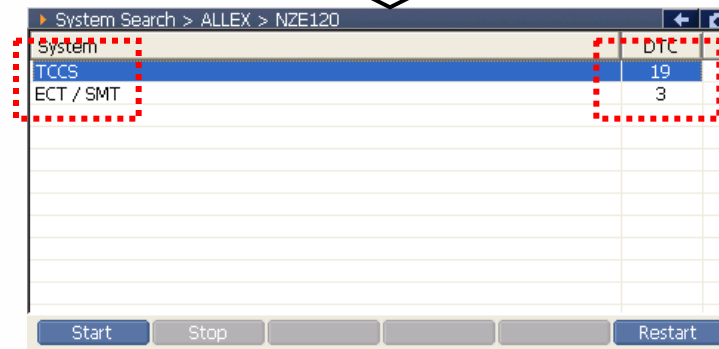
### III. Highlighting Features

- Easier to locate the metal tag and find the correct engine code.
- G-SCAN provides auto search function that tries to communicate with “ALL” possible systems in the vehicle in sequence, and then reports back with a list of all available systems.
- Any DTC automatically detected for each system available.

- System Auto Search



TOYOTA ALLEX



TOYOTA

All Systems and DTCs can be searched automatically.

Japanese Cars other than Toyota,

All Systems can be searched automatically.

Hyundai and KIA,

All DTCs can be searched automatically.

Other Korean Makes,

Engine types can be searched automatically.

## III. Highlighting Features

- Parameter Details

➤ G-SCAN supports full name of measuring block parameters.

Block Jump Key Input

01 Engine Electronics > Measured Value Reading

1

Temperatures

1 Ambient	25 °C	1	2	3
Temperatur (G17)		4	5	6
2 Fresh Air Duct	14 °C	7	8	9
Temperature (G89)		Back <-	0	Enter
3 Dashboard	22 °C			
Temperature (G56)				
4 Vent	30 °C			
Temperatur (G152)				

<<
>>
Select Item

Description Support

Previous/Next Block move

READ MEASURING VALUE BLOCK			
BLOCK NO : 001			
TEMPERATURE	TEMPERATURE	TEMPERATURE	TEMPERATURE
01.	25.0 °C	02.	14.0 °C
TEMPERATURE	TEMPERATURE	TEMPERATURE	TEMPERATURE
03.	22.0 °C	04.	30.0 °C
		PREV NEXT	

### Screen capture from Carman Scan

It simply says the data are about Temperature. What temp is it?  
 Ambient Temperature?  
 Coolant Temp?  
 Vent Temp?  
 Dashboard Temp?

### III. Highlighting Features

- Full Descriptions

➤ Thanks to screen control flexibility of Windows system and its 480 pixels wide screen, the full description of DTC codes and Data parameter names are supported with G-SCAN

480 Pixels

DTC Analysis

C180, C200, C230 > DTC Analysis			
P0120	Throttle/Pedal Position Sensor/Switch "A" Circuit		
P1580	EA/CC/ISC Actuator Circuit Faulty(M16/6)		
P0115	Engine Coolant Temperature Circuit		
P0110	Intake Air Temperature Sensor 1 Circuit		
P1570	CAN Signal From DAS Control Module To Engine Control Mo...		
P1605	CAN Problem : Accel.Information, Poor Road Recognition Fr...		

DATA Analysis

C180, C200, C230 > Data Analysis(All Items)			
Item name	Value	Unit	
Coolant Temperature Sensor	-40	'C	
Intake Temperature Sensor	-40	'C	
Engine Speed	0	rpm	
Mass Air Flow	0	Kg/h	
HFM SFI Voltage	0.0	V	
Throttle Angle	80.3	'	
Battery Voltage	12.0	V	
Ignition Angle	54.0	'	
Injection Timing	0.0	mS	
Camshaft Signal Sensor	0		
Camshaft Actuator	OFF		
Purging	OFF		

If the description is longer than the screen, the information will scroll from right to left.

Smaller screen products and non-Windows based products have to use a lot of acronyms or cut the sentences in the middle to fit into the given space, making it even more difficult to understand for the mechanics.



### III. Highlighting Features

- Touch the “PEN” button to the Paint Brush and you can put your own handwriting memos and drawings on the page being displayed. When you are done making notes Touch the “PEN” onto the camera in the top-right to capture the image with your notes and it is saved to memory for your retrieval or transfer to your PC.

- Handwriting memo

Item name	Value	Unit	Min	Max
Coolant Temperature Sensor	-40	'C	-40	-40
Intake Temperature Sensor	-40	'C	-40	-40
Engine Speed	0	rpm	0	0
Mass Air Flow	0	Kg/h	0	0
HFM SFI Voltage	0.0	V	0.0	0.0
Throttle Angle	80.3	'	80.3	80.3
Battery Voltage	12.0	V	12.0	12.0
Ignition Angle	54.0	'	54.0	54.0

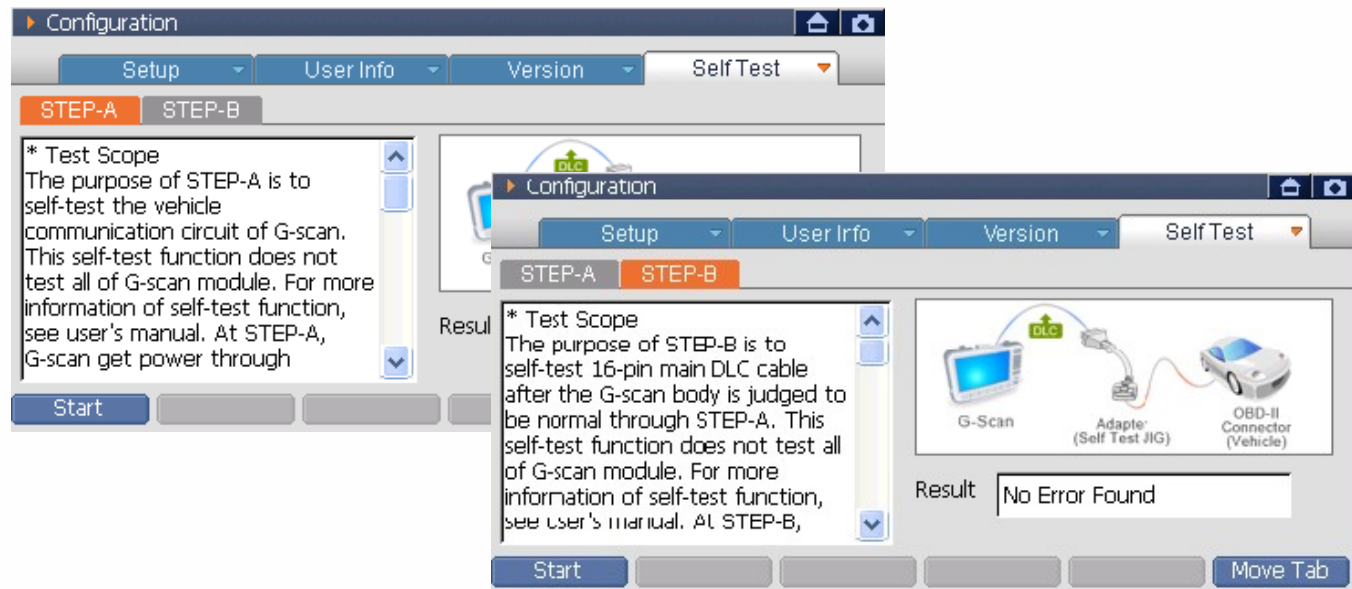
Item name	Value	Unit	Min	Max
Coolant Temperature Sensor	-40	'C	-40	-40
Intake Temperature Sensor	-40	'C	-40	-40
Engine Speed	0	rpm	0	0
Mass Air Flow	0	Kg/h	0	0
HFM SFI Voltage	0.0	V	0.0	0.0
Throttle Angle	80.3	'	80.3	80.3
Battery Voltage	12.0	V	12.0	12.0
Ignition Angle	54.0	'	54.0	54.0
Injection Timing	0	ms	0.0	0.0
Camshaft Signal Sensor	0		0	0
Camshaft Actuator	OFF		-	-
Purging	OFF		-	-

Abnormal before repair

### III. Highlighting Features

- **Self Test**

- A study of in field failure cases has shown that the most common issue is attributed to worn out or broken cables and connectors. As this condition causes complaints from the customer, it will result in negative influence on future sales. To help the user, we have added a self test feature to the G-Scan.
- G-SCAN provides Self-Test function that helps the customer determine whether the communication problem is caused by the base unit's internal hardware / software or by the external factors.



- more features

### **Latest Hardware Technology**

No external hardware additions are necessary for the latest CAN-BUS cars, and will support the cars to come in the near future.

### **Windows CE based Handheld system**

Quick boot up and no waiting time for the system boot-up completion

No fear of Virus or security problems

Simple and easy update through internet

### **Versatility: Transfers data to a premium PC based equipment**

Utilizing Wireless LAN (WiFi), G-SCAN provides high-speed data transfer to PC that enables reliable and fast real time PC interface. This provides greater user experience by switching to a PC based diagnostic workstation.

### **Standard SD Card**

Today's least expensive and most secure memory solution: No more having changed out low capacity memory cards for access to a different or new upgrade.

Up to 4GB supported (Default: 2GB)

### **TPMS Ready**

## IV. Roadmap for 2010

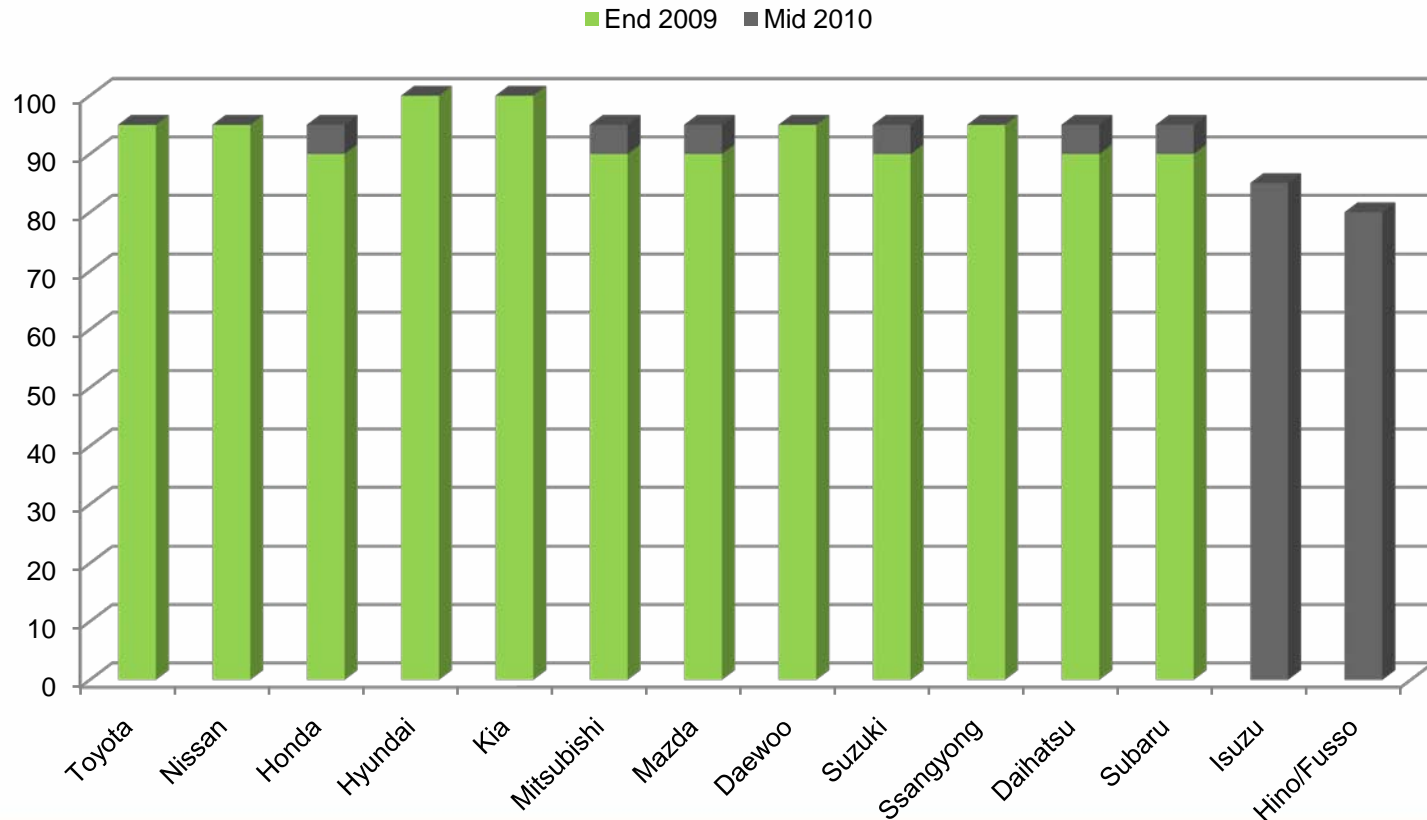
- G-Scan is ready to be marketed for Asian cars with fine-tuning advanced functions in 2010 calendar year. (Phase I)
- European software package will be made available as an option package by the end of 2010 calendar year. (Phase II)

### • Roadmap

#### 2010

80% : Average Level  
 90% : High Level  
 100% : OEM Level

Launch: Avg. 85~90%  
 Nextech: Avg. 80~85%  
 Hanatech: AVG. 80~85%



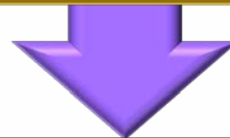
## Part 2. Business Opportunity

- I. Market Demand
- II. Benefits

## I. Market Demand

- **Market Demand for Asian car tool**

- Increased Population of Asian Cars
- More electronic systems getting complicated
- Increased demand for reset, adaptation and coding
- Insufficient Asian cars coverage of USA scanners
- Delayed update support of USA scanners for Asian cars

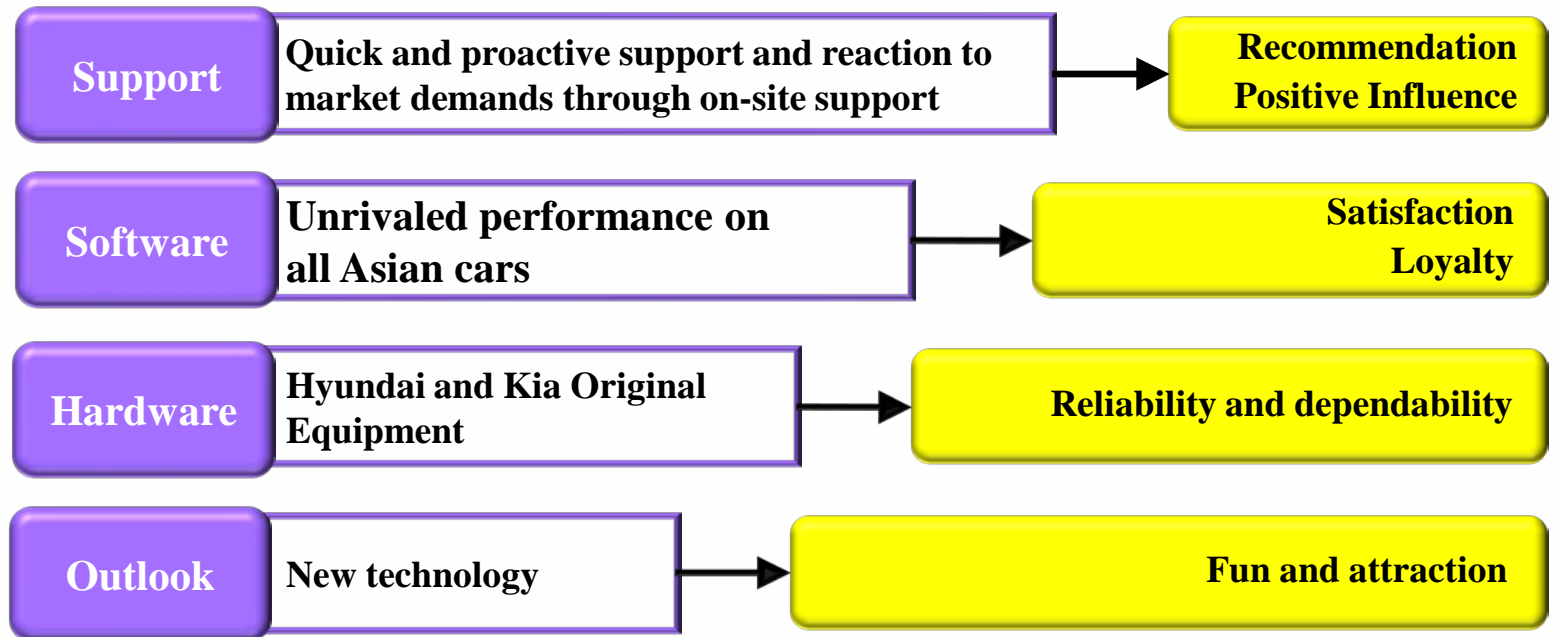


### **Increased demand for 2<sup>nd</sup> or 3<sup>rd</sup> tool for Asian cars**

- Specialty tool for the advanced functions for Asian cars
- Reliable diagnostic performance for Asian cars in the market
- Quick and proactive reaction to the market feedback

## II. Benefits of G-Scan

GIT is committed to deliver benefits to the customers by providing quality product, reliable performance and swift tech support. We understand that the secret of the successful diagnostic scan tool business is selling by recommendation of the satisfied customers. G-Scan will make this possible and we are ready to cooperate with you for this.



## II. Benefits of G-Scan

### GIT

- OEM Hardware for Hyundai Motor and Kia Motor
- OEM Software for Korean cars

### Inter-Support

- Software for Japanese cars developed by Inter-Support in Japan who has specialized aftermarket diagnostic software for Japanese cars



### EZDS

- Localization for unique market demands
- Final evaluation and tuning for software

### GIT America

- On-site support
- Technical support in a reliable and timely fashion



## Comparison – Support Scope

Please refer to a separate comparison chart enclosed.