

1. P-IVI Introduction, Specification

❑ P-IVI (Plugin In-Vehicle Infotainment)

- IVI device equipped in the JLR(Jaguar Land Rover) vehicles.
- In charge of wireless communications in LTE-A/LTE/WCDMA/GSM network
- Multi functional AVN such as Broadcast, Media, Phone and so on

❑ P-IVI Specification

1. Model Name : IGCJ1PHE
2. Supported band : GSM850/1900, WCDMA B5, LTE B5/7/26, 2.4/ 5GHz WLAN (UNII 1, 3), BT v4.2 (BDR/EDR)
3. Supply Voltage : 6.5~16V
4. DC Current : ~ 7A
5. Temperature Range : (-)40 ~ 75°C

Item	High Line – NA
Modem Technology	GSM/WCDMA/LTE
RF variants (Market variants)	NA
Navigation	O
Modem / AP	O
Broadcast	O
Ethernet(BCBR)	O
WiFi Client	O
CAN	HSCAN
BUB	O

<Major Functions>

2. P-IVI Specification

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- RF Band Information

GSM/UMTS/LTE	Frequency		FDD/TDD	RoW (IGCJ1PHE)
	Band	Tx [MHz]		
B1	1920~1980	2110~2170	FDD	-
B2	1850-1910	1930~1990	FDD	GSM
B3	1710~1785	1805~1880	FDD	-
B5	824~849	869~894	FDD	GSM, WCDMA, LTE
B7	2500~2570	2620~2690	FDD	LTE
B8	880~915	925~960	FDD	-
B20	832~862	791~821	FDD	-
B26	814~849	859~894	FDD	LTE
B28	703~748	758~803	FDD	-
2 Carrier Aggregation band combination				CA_3C, CA_7B, CA_7C, CA_3A-3A, CA_7A-7A, CA_1A-3A, CA_1A-5A, CA_1A-7A, CA_1A-8A, CA_3A-5A, CA_3A-7A, CA_3A-8A, CA_3A-20A, CA_5A-7A, CA_7A-20A
Wi-Fi 2.4GHz	2412-2462		SISO	2412-2462
Wi-Fi 5GHz	5745-5825 5755-5795 5180-5240 5190-5230 5210		MIMO	5745-5825 5755-5795 5180-5240 5190-5230 5210
Bluetooth	2402-2480		SISO	2402-2480

* WLAN operation in 5150-5350MHz is restricted to Indoor operation.

3. Appendix

FCC Part 15.21 statement

Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

FCC Part 15.19 statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

RF Exposure (MPE)

This equipment complies with FCC and IC RF Radiation exposure limits set forth for an uncontrolled environment. This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

Cet équipement est conforme à l'exposition de FCC et IC rayonnements RF limites é-tablies pour un environnement non contrôlé. L'antenne pour ce transmetteur ne doit pas être même endroit avec d'autres émetteur sauf conformément à FCC et IC procédures de produits Multi-émetteur. Cet équipement doit être installé et utilisé avec une distance minimale de 20 cm entre le radiateur et votre corps.