

SMK User Manual

Product Name: WLAN Complete Module
Model number: VRL4149-0601F

GENERAL

This product is a 2.4/5GHz Wireless Communication module that uses WLAN (Wireless LAN) technology.

This Module enables the host device to connect with the Wireless LAN Access Point.

SPEC

- RF Standard : 802.11b, 802.11g, 802.11n (2.4/5GHz), 802.11a
- Supply Voltage :

VDD	2.7 to 5.6	VDC
VIO	1.8 to 2.2	VDC
	2.6 to 3.1	VDC
	3.3 to 4.0	VDC
+1V8	1.8 to 1.98	VDC
- Operation Temperature Range : -20°C to +70°C
- External Dimensions Remote control: 35mm x 27mm x 3.1mm
- Receiver I/F: SDIO
- Frequency Range:

2412MHz~2462MHz (5MHz interval, 11 Channels)	(FCC/IC)
2412MHz~2472MHz (5MHz interval, 13 Channels)	(CE)
5180MHz~5320MHz (20MHz interval, 8 Channels)	(FCC/IC/CE)
5500MHz~5700MHz (20MHz interval, 11 Channels)	(FCC/IC/CE)
(Except 5600MHz~5650MHz in Canada)	
5745MHz~5825MHz (20MHz interval, 5 Channels)	(FCC/IC)

INFORMATION

Information below must be printed on the set product and the manual of the set product.

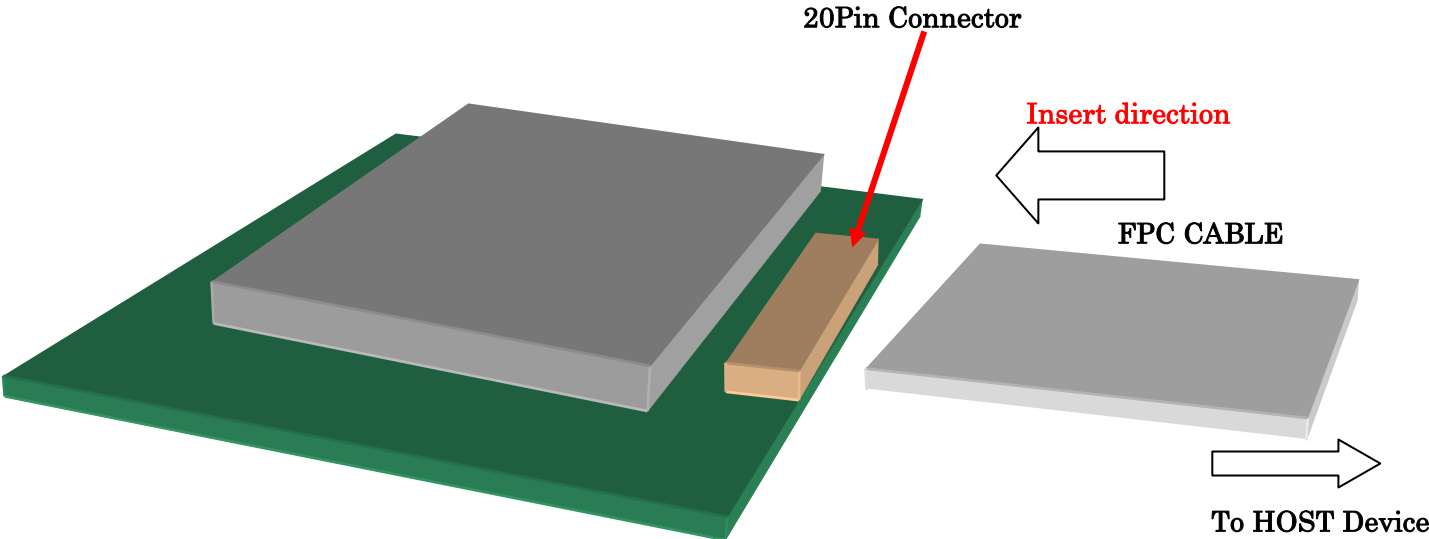
Contains FCC ID: GT3FC016
Contains IC: 3683A-FC016



※Over 5mm is recommended as a height of **CE marking**.

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SETUP



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Regulatory Information

Manual Information

The following text shall be placed on the manual of end product.

Common in USA-Federal Communications Commission (FCC) and Industrial Canada (IC RSS-Gen Category I)

This device complies with Part 15 of FCC Rules and Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of this device.

Le présent appareil est conforme aux la partie 15 des règles de la FCC et CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

RF Exposure Appliance

This equipment complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65 and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment should be installed and operated keeping the radiator at least 20cm or more away from person's body (excluding extremities: hands, wrists, feet and ankles).

Cet équipement est conforme aux limites d'exposition aux rayonnements énoncées pour un environnement non contrôlé et respecte les règles les radioélectriques (RF) de la FCC lignes directrices d'exposition dans le Supplément C à OET65 et d'exposition aux fréquences radioélectriques (RF) CNR-102 de l'IC. Cet équipement doit être installé et utilisé en gardant une distance de 20 cm ou plus entre le dispositif rayonnant et le corps (à l'exception des extrémités : mains, poignets, pieds et chevilles).

USA-Federal Communications Commission (FCC) Only

SMK CORPORATION

5-5 Togoshi 6 Chome, Shinagawa-Ku, Tokyo 142-8511 Japan

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PART 15

FCC CAUTION

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FPC Cable for connection

A FPC Cable must be used for connection to the host computer.

Regulation for using 5.15-5.25 GHz

5.15-5.25GHz band is restricted to indoor operations only.

PART 15 Subpart C and Subpart E

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

Industrial Canada (IC RSS-Gen and ICES-003) Only

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This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Regulation for using 5.15-5.25 GHz (RSS-210)

5.15-5.25GHz band is restricted to indoor operations only.

La bande 5 150-5 250 MHz est restreints à une utilisation à l'intérieur.

R&TTE Only

SMK CORPORATION

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5180-5320MHz is restricted to indoor operation only.

The country codes in which the module is used and the declarations must be listed on the product, the package, or the manual.

Austria	AT	Germany	DE	Netherlands	NL	Iceland	IS
Belgium	BE	Greece	GR	Poland	PL	Liechtenstein	LI
Bulgaria	BG	Hungary	HU	Portugal	PT	Norway	NO
Cyprus	CY	Ireland	IE	Romania	RO	Switzerland	CH
Czech Republic	CZ	Italy	IT	Slovakia	SK	Croatia	HR
Denmark	DK	Latvia	LV	Slovenia	SI	Macedonia	MK
Estonia	EE	Lithuania	LT	Spain	ES	Turkey	TR
Finland	FI	Luxembourg	LU	Sweden	SE	※太枠は2010年10月時点でEUへの加盟交渉中の国	
France	FR	Malta	MT	United Kingdom	GB	EUへの加盟交渉中の国	

The Examples of declaration

[EN] English	Hereby, [Name of manufacturer], declares that this [type of equipment] is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
[BG] Bulgarian	С настоящето, [Име на производителя], декларира, че [тип на устройството] е в съответствие със съществените изисквания и другите приложими разпоредби на Директива 1999/5/EC.
[CS] Czech	Jméno výrobce] tímto prohlašuje, že [typ zařízení] splňuje základní požadavky a všechna příslušná ustanovení Směrnice 1999/5/ES.
[DA] Danish	Undertegnede [fabrikantens navn] erklærer herved, at følgende udstyr [udstyrets typebetegnelse] overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.
[DE] German	Hiermit erkläre [Name des Herstellers], dass sich das Gerät [Gerätetyp] in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.
[ET] Estonian	Käesolevaga kinnitab [tootja nimi] seadme [seadme tüüp] vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
[EL] Greek	ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ ΟΚΑΤΑΣΚΕΥΑΣΤΗΣ (όνομα του κατασκευαστή) ΔΗΛΩΝΕΙ ΟΤΙ (τύπος εξοπλισμού) ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ
[ES] Spanish	Por la presente, [el Nombre de fabricante], declara que este [el tipo de equipo] cumple con los requisitos esenciales y otras exigencias relevantes de la Directiva 1999/5/EC.
[FR] French	Par la présente, [nom du fabricant] déclare que l'appareil [type d'appareil] est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.
[IT] Italian	Con la presente [nome del costruttore] dichiara che questo [tipo di apparecchio] è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.
[LV] Latvian	Ar šo [izgatavotāja nosaukums] deklarē, ka [iekārtas tips] atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
[LT] Lithuanian	Šiuo [irenginio gamintojo pavadinimas] deklaruojau, kad šis [irenginio tipas] atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas
[HU] Hungarian	A [Gyártó neve] ezzennel kijelenti, hogy a [berendezés típus] típusú berendezés teljesíti az alapvető követelményeket és más 1999/5/EK irányelvben meghatározott vonatkozó rendelkezéseket.
[NL] Dutch	Hierbij verklaart [Naam van de fabrikant] dat het toestel [type van toestel] in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.
[PL] Polish	Niniejszym [nazwa producenta] deklaruje że [typ urządzenia] jest zgodny z zasadniczymi wymaganiami i innymi właściwymi postanowieniami Dyrektywy 1999/5/EC.
[PT] Portuguese	Eu, [nome do fabricante], declaro que o [tipo do equipamento] cumpre os requisitos essenciais e outras provisões relevantes da Directiva 1999/5/EC.
[RO] Romanian	Prin prezenta, [numele producătorului], declară că aparatul [tipul de aparat] este în conformitate cu cerințele esențiale și cu alte prevederi pertinente ale Directivei 1999/5/CE.
[SK] Slovak	[Meno výrobcu] týmto vyhlasuje, že [typ zariadenia] spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.
[SL] Slovenian	[Ime proizvajalca] izjavlja, da je ta [tip opreme] v skladu z bistvenimi zahtevami in drugimi relevantnimi določili direktive 1999/5/ES.
[FI] Finish	[Valmistaja] vakuuttaa täten että [laitteen tyyppimerkintä] tyypinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
[SV] Swedish	Denna utrustning är i överensstämmelse med de väsentliga kraven och andra relevanta bestämmelser i direktiv 1999/5/EC.