

Contactless Reader Module

3AA05969700

TOSHIBA

3AA05969700, is a 13.56MHz contactless reader module, compliant to ISO14443 and ISO18092. The compact size is perfect solution for POS System, kiosk or self-service applications.

#gaspump #parkingmeter #vendingmachine
#billpaymentkiosk #hospital #POS

SPECIFICATIONS

CPU

- ARM Cortex M3 secure processor

Standards

- ISO 14443 type A/B
- NFC: ISO 18092
- Mifare
- Felica
- Apple VAS Compliant
- Google Smart Tap Compliant

Interface

- USB 2.0 full speed
- Support CCID

Firmware

- XAC Saturn Platform SDK
- None payment supported

Features

- Device firmware programmable with upgrade capability
- Data Encryption: AES, TDES, RSA, ECC (optional)
- Reserved FW upgrade capability for future NFC payment (MPOC)
- Support NFC reader mode only

Antenna

- 13.56MHz wire type antenna (fixed on sticker paper)
- Antenna connector is not detachable from control board.
- Reading distance up to 4 cm from antenna front face

Certification

- FCC, ISED and local regulatory certifications
- No payment certification

Note: Future NFC payment (MPOC) can be supported by upgrading FW.

Features

- Device firmware programmable with upgrade capability
- Data Encryption: AES, TDES, RSA, ECC (optional)
- Reserved FW upgrade capability for future NFC payment (MPOC)
- Support NFC reader mode only

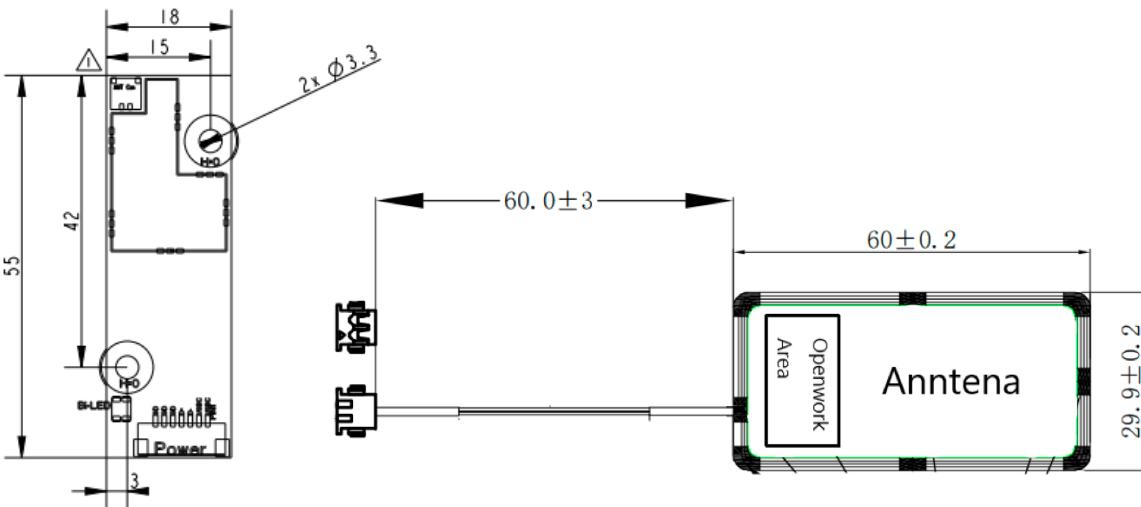
Antenna

- 13.56MHz wire type antenna (fixed on sticker paper)
- Antenna connector is not detachable from control board.
- Reading distance up to 4 cm from antenna front face

Certification

- FCC, ISED and local regulatory certifications
- No payment certification

Note: Future NFC payment (MPOC) can be supported by upgrading FW.



Federal Communications Commission (FCC) Statement

15.21

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

15.105(b)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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 of the device.

FCC RF Radiation Exposure Statement

- 1) This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
- 2) This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

This equipment should be installed.

Note: The end product shall has the words "Contains Transmitter Module FCC ID: 2AW3T-NFCV01

Canada, Industry Canada (IC)

This Class B digital apparatus complies with Canadian ICES-003

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

This device complies with 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 the

Le présent appareil est conforme aux 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 adioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Conformité des appareils de radiocommunication aux limites d'exposition humaine aux radiofréquences (CNR-102)

L'ordinateur utilise des antennes intégrales à faible gain qui n'émettent pas un champ électromagnétique supérieur aux normes imposées par Santé Canada pour la population. Consultez le Code de sécurité 6 sur le site Internet de Santé Canada à l'adresse suivante : <http://www.hc-sc.gc.ca> L'énergie émise par les antennes reliées aux cartes sans fil respecte la limite d'exposition aux radiofréquences telle que définie par Industrie Canada dans la clause 4.1 du document CNR-102, version 4.

Caution: Exposure to Radio Frequency Radiation.

To comply with RSS 102 RF exposure compliance requirements, a separation distance of at least 20 cm must be maintained between the antenna of this device and all persons.

Pour se conformer aux exigences de conformité CNR 102 RF exposition, une distance de séparation d'au moins 20 cm doit être maintenue entre l'antenne de cet appareil et toutes les personnes.

(Modular approval) End Product Labeling:

The final end product must be labeled in a visible area with the following: "Contains IC: 33537-NFCV01".

Le produit final doit être étiqueté dans une zone visible avec ce qui suit "Contient IC : 33537-NFCV01"

OEM statement

The Original Equipment Manufacturer (OEM) must ensure that the OEM modular transmitter must be labeled with its own FCC ID number. This includes a clearly visible label on the outside of the final product enclosure that displays the contents shown below. If the FCC ID is not visible when the equipment is installed inside another device, then the outside of the device into which the equipment is installed must also display a label referring to the enclosed equipment.

The end product with this module may subject to perform FCC part 15B unintentional emission test requirement and be properly authorized while installation to host(s), and platform, and integrator are obligated to have its manual or instruction with the related compliance warning to end users.

This device is intended for OEM integrator only

The end product with this module may be subject to re-evaluate RF exposure as per 47CFR §

2.1091, and §2.1093 if antenna or usage, including co-located usage of other transmitters, of the subsequent installation are changed.

This radio transmitter has been approved by FCC/Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that Have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

Antenna: 503600485

Cet émetteur radio a été approuvé par FCC/Innovation, Science et Développement économique Canada pour fonctionner avec les types d'antennes répertoriés ci-dessous, avec le gain maximal autorisé indiqué. Les types d'antenne non inclus dans cette liste qui ont un gain supérieur au gain maximum indiqué pour tout type répertorié sont strictement interdits pour une utilisation avec cet appareil.

Antenne : 503600485