

USB-Connected Multi-Target RFID
Reader/Writer
HXP200/3445-USB-S

User Manual(Module)

Version 1.00 – September 29, 2025

ART Finex Co.,Ltd.

■ Revision History

Revision Date	Version	Pages Affected	Description
25/09/29	–	All	Newly created

■ Table of Contents

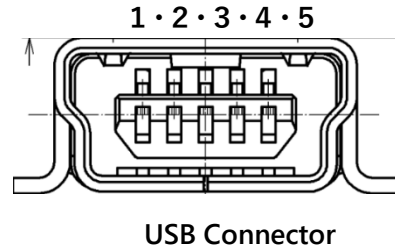
1.	INTRODUCTION	4
1.1	Pin Assignment (USB Mini-B Connector)	4
1.2	External Dimensions Diagram	4
2.	Integration Instructions	5
2.1	General	5
2.2	List of applicable FCC rules.....	5
2.3	Summarize the specific operational use conditions	5
2.4	Limited module procedures	5
2.5	Trace antenna designs	5
2.6	RF exposure considerations	5
2.7	Antennas.....	5
2.8	Label and compliance information.....	5
2.9	Information on test modes and additional testing requirements.....	5
2.10	Additional testing, Part 15 Subpart B disclaimer.....	5
2.11	Note EMI Considerations.....	6
2.12	How to make changes	6

1. INTRODUCTION

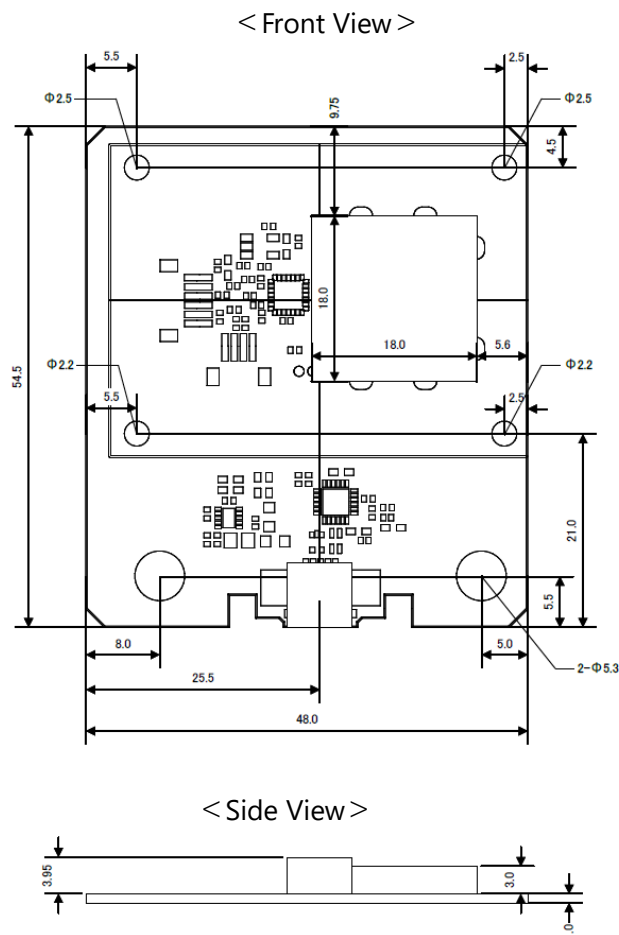
Integration of the module into the host product shall be performed via USB connection, in accordance with the specifications provided. The module must be physically embedded within the host product using the dimensions defined in the accompanying mechanical drawing.

1.1 Pin Assignment (USB Mini-B Connector)

Pin#	Name	Description
1	V _{CC} (5.0V)	Power Input (DC 5.0 V)
2	D-	Signal Line
3	D+	Signal Line
4	NC	-
5	GND	Power Ground



1.2 External Dimensions Diagram



2. Integration Instructions

This is the integration instructions for host product manufacturers to use when integrating the module in a host product.

2.1 General

This integration instructions describes the integration procedure per Sec. 2.2 to 2.12 of KDB 996369 D03.

2.2 List of applicable FCC rules

This device complies with below part 15 of the FCC Rules.

Part 15 Subpart C

2.3 Summarize the specific operational use conditions

Operation shall be limited to the environmental and electrical conditions (temperature, humidity, supply voltage, etc.) defined in the applicable specification document

2.4 Limited module procedures

Not applicable

2.5 Trace antenna designs

Not applicable

2.6 RF exposure considerations

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines as this equipment has very low levels of RF energy.

2.7 Antennas

The device is designed to use the antennas listed below. Do not modify the antenna or any other part of the module. Any modifications will invalidate the modular certifications and require new approvals for the host system.

Antenna Type Loop Antenna

Antenna Gain 1.76dBi

2.8 Label and compliance information

The following information must be indicated on the host device of this module;

Contains Transmitter Module FCC ID: 2AM8PHXP2-3445US
--

or

Contains FCC ID: 2AM8PHXP2-3445US

2.9 Information on test modes and additional testing requirements

Test modes should take into consideration different operational conditions for a stand-alone modular transmitter in a host, as well as for multiple simultaneously transmitting modules or other transmitters in a host product.

2.10 Additional testing, Part 15 Subpart B disclaimer

The modular transmitter is only FCC authorized for the specific rule parts ([FCC Part 15.225](#)) listed on the grant, and the host product manufacturer is responsible for compliance to any other FCC rules that apply to the host not covered by the modular transmitter grant of certification.

2.1.1 Note EMI Considerations

We recommend to use "best practice" RF design engineering testing and evaluation in case non-linear interactions generate additional non-compliant limits due to module placement to host components or properties.

The host manufacturer is responsible for ensuring compliance with the applicable FCC rules for the transmitters operating individually and simultaneously. This includes compliance for the summation of all emissions from all outputs occupying the same or overlapping frequency ranges, as defined by the applicable rules.

2.1.2 How to make changes

Only the grantee is permitted to make permissive changes. Please contact us at [Art Finex Co., Ltd.](#)