

Technical Reference

MATCHING AWID’S READERS AND CREDENTIALS

AWID’s products work in several communications frequencies, for different applications. The products in the different frequencies use technologies that are special for those bands. It is important to match the products so that you can be sure of compatibility of the selected reader and the credentials to use with that reader. (“Credentials” are the encoded cards, tags and wafers that are programmed for each installation.)

No matter which reader you select for the application, it has the same Wiegand-type electrical interface. So you can mix or match readers in an access control system.

AWID can program credentials that will be read by different reader types with the same data format. Most commonly this is the industry-standard 26-bit Wiegand-style format. This means that the system can use any combination of the products below—as long as a reader uses credentials that are compatible with that reader.

Low-Frequency (125 kHz) Proximity Products for Door Access with Hand-Held Cards and Keytags

<u>Readers</u>		<u>Compatible Cards, Tag, Wafers</u>
SR-2400	SR-2400-MP	CS-AWID
MM-6800	MM-6800-MP	GR-AWID
SP-6820	SP-6820-MP	GRMAG-AWID
KP-6840	NDK-2025-MP	KT-AWID
NDK-2025	MR-1824-MP	PW-AWID
MR-1824	MR-1824MC-MP	HT-CUSTOM (-L)
MR-1824MC		(For “MP” readers, also selected
MR-1824HiLo		cards from other proximity
MR-1824HiLoMC		companies. Contact AWID.)

High-Frequency (13.56 MHz) Smart-Card Reader for Smart Cards and Smart Tags

<u>Reader</u>	
SC-2300	(Use with smart cards and smart tag that have compatible code protocols. Contact AWID.)

Ultra-High-Frequency (902-928 MHz) Long-Range Products with Vehicle Tags and Cards

<u>Readers</u>	<u>Compatible Vehicle Tags and Hand-Held Cards</u>
LR-2000	WS-UHF
LR-2000HiLoMA	HT-UHF and HT-CUSTOM (-U)
UA-612	RV-UHF
	VT-UHF
	MT-UHF
	CS-UHF
	GR-UHF

<u>Readers</u>	<u>Compatible Vehicle Tags</u>
LR-911	WS-1216
LR-911HiLoMA	MT-1014