

How to load a .HWG+ File into rf IDEAS Reader

You can use the [rf IDEAS Configuration Utility](#) to load the an .HWG+ file into an appropriate rf IDEAS reader

1. Plug the appropriate rf IDEAS reader into your laptop / PC
2. Open the utility and click Connect
3. In the lower right click on the plus icon, and then select "Open .HWG+ file"
4. Browse / Select / Open the desired .HWG+ file
5. Click the "Write" button in the top left in the Configuration Utility
6. Test rf IDEAS reader output vs. Desired output

Y591-BMUL-202 v01 Card types	rf IDEAS configuration (.HWG+) to match Y591-BMUL-202 v01 Card Types	Conversion Notes
All hardware supported card types.		rf IDEAS readers currently do not support 'read all" supported tech.
125kHz / AWID (Type 137)	-	Unable to match Y91-BMUL-202-v01 output for reasons outlined below rf IDEAS output = 07b30133d2 (HEX) 011110110011000000010011001111010010 00010011001111010010000000000000 Y91-BMUL-202-v01 output = 133D2000 (HEX) rf IDEAS output = 02c80a4a(HEX) 0010110010000000101001001010 00100101000000000000000000000000 Y91-BMUL-202-v01 output = 25000000 (HEX)
125kHz/ AWID (Type 137) / 26-bit card, 16-bit Card Number	Match_Kofax Reader Cardtype 137_AWID 26-16 and 37-19 Card Number.hwg+	
125kHz/ Cotag (Type 163)	-	Y91-BMUL-202-v01 does not support the CO-TAG cards(17xx ME COTAG) in MNS test kit
125kHz / EM4100-4102 (Type 129)	Match_Kofax Reader Cardtype 129_EM4100-4102.hwg+	
125kHz / EM4100-4102 (Type 129) / Reverse Sitecode (Type 128)	Match_Kofax Reader Cardtype 129_EM4100-4102 Reverse Sitecode.hwg+	
125kHz/EM4205-4305 (128)	-	No such card in MNS test kit
125kHz/ EM4450 (Type 131)	-	No such card in MNS test kit
125kHz/GProx (Type 161)	Match_Kofax Reader Cardtype 161_G-Prox.hwg+	
125kHz / HID Indala (Type 136)	-	Unable to match Y91-BMUL-202-v01 output for reasons outlined below rf IDEAS output = 01a02a80 (HEX) 00011010000000101010100000 00010011100000010000101001000010 00000101 Y91-BMUL-202-v01 output = 13810A4205 (HEX)
125kHz / HID Indala (Type 136) / 26-bit card, 16-bit Card Number	Match_Kofax Reader Cardtype 136_HID Indala 26-16 Card Number.hwg+	
125kHz/HID Indala (Type 136) / 26-bit Wiegand Data	Match_Kofax Reader Cardtype 136_HID Indala 26-bit Wiegand Data.hwg+	
125kHz/HID Prox (Type 138)	Match_Kofax Reader Cardtype 138_HID Proximity 26bit H10302_37bit H10302 .hwg+	

Y591-BMUL-202 v01 Card types	rf IDEAS configuration (.HWG+) to match Y591-BMUL-202 v01 Card Types	Conversion Notes
125kHz/HID Prox (Type 138) / Printed Card Number	Match_Kofax Reader Cardtype 138_HID Proximity 26bit H10302, 35bit C1K, 37bit H10302 Printed Card Number.hwg+	
125kHz/HID Prox (Type 138) / 37-bit card, 19-bit Card Number	Match_Kofax Reader Cardtype 138_HID Proximity 37bit H10304 Printed Card Number.hwg+	
125kHz/HID Prox (Type 138) / Raw Data	Match_Kofax Reader Cardtype 138_HID Proximity 26bit H10302, 37bit H10302 Raw Data.hwg+	
125kHz/HID Prox32 (Type 133)	-	No such card in MNS test kit
125kHz / Hitag 1 and s (Type 140)	Match_Kofax Reader Cardtype 140_HITAG 1 or S.hwg+	
125kHz / Hitag 2 (Type 141, 142)	-	No such card in MNS test kit
125kHz/Idteck (Type 164)	-	No such card in MNS test kit
125kHz/loProx (Type 139)	Match_Kofax Reader Cardtype 139_ioProx.hwg+	
125kHz/loProx (Type 139) / Sitecode and Card Number	Match_Kofax Reader Cardtype 139_ioProx Sitecode and Card Number.hwg+	
125kHz / Keri (Type 134)	-	No such card in MNS test kit
125kHz / Pyramid (Type 132)	Match_Kofax Reader Cardtype 132_Farpointe Pyramid.hwg+	
125kHz/Quadrakey (Type 135)	-	No such card in MNS test kit
125kHz/ Radio Key SecuraKey (Type 160)	-	No such card in MNS test kit
13MHz/iCLASS Classic (Type 96) / UID	Match_Kofax Reader Cardtype 96_HID iCLASS CSN via ISO-15693.hwg+	
13MHz/iCLASS, LEGIC (Types 96, 24, 50, 192) / Printed Card Number or LEGIC UID	-	Y91-BMUL-202-v01 does not seem to support LEGIC
13MHz/ iCLASS, iCLASS SE, SEOS (Types 96, various) / Printed Card Number	-	Y91-BMUL-202-v01 does not seem to support HID iCLASS SE or SEOS
13MHz/ iCLASS, iCLASS SE, SEOS (Types 96, various) / Raw Data	-	Y91-BMUL-202-v01 does not seem to support HID iCLASS SE or SEOS
13MHz/ ISO14443A (Types 16-25) / UID	-	
13MHz/ LEGIC (Types 24, 32, 33, 50, 192) / UID	-	Y91-BMUL-202-v01 does not seem to support LEGIC
13MHz/ LEGIC PRIME (Types 32, 192) / UID	-	Y91-BMUL-202-v01 does not seem to support LEGIC

Access Complete Library of .HWG+ Files Configurable with rf IDEAS Readers

In addition to the linked software files in the table above, we have compiled a robust repository of .HWG+ files for your team to access as you complete your configuration of Kofax Card Readers to rf IDEAS WAVE ID Readers. Access full library [here](#).

If you have any issues in accessing these files or have additional questions, please reach out to Menya Nsanzumuco at mnsanzumuco@rfIDEAS.com.

