VIVOTEK Wiegand Converter

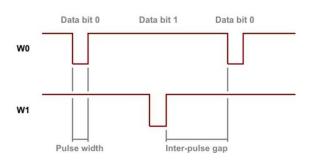
A0-20W Firmware_Update_SOP

Release Date: September 10, 2021





Firmware Version

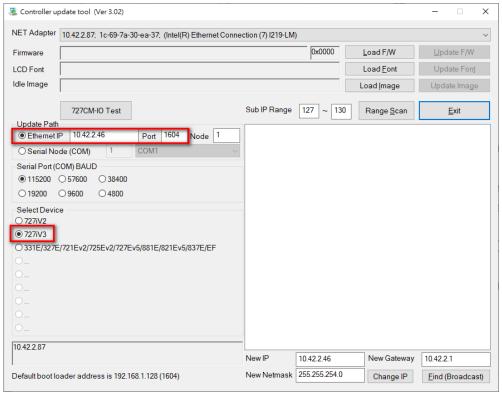


For the unstable WIEGAND reading issue, we suspect that it's caused by un-real time access control controller (OS-based device, Not MCU). For this circumstance, VIVOTEK provide 4 modified WIEGAND signal pattern for securing the reading success. They are different in two setting, "Pulse Width" & "Inter-pulse gap".

* User can test from 1 to 4 in order.

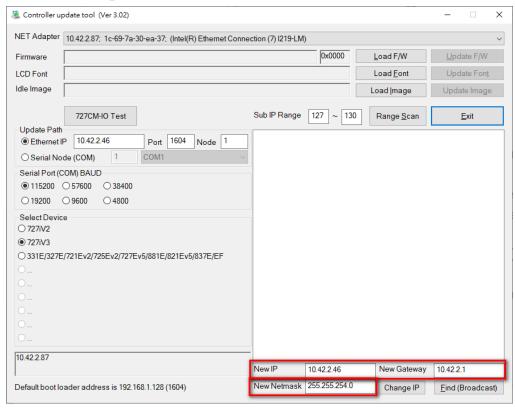
	Version	Pulse Width	Inter-pulse Gap
Default	[Current Setting] APX727i3V0501 8i4o WG Converter vivotek 1m100us	100 <mark>µs</mark>	1 ms
1	APX727i3V0501 8i4o WG Converter vivotek 1m200us	200 <mark>μs</mark>	1 ms
2	APX727i3V0501 8i4o WG Converter vivotek 2m100us	100 µs	2ms
3	APX727i3V0501 8i4o WG Converter vivotek 2m200us	200 μs	2 ms
4	APX727i3V0501 8i4o WG Converter vivotek 2m500us	500 μs	2 ms

FW Update SOP 1/4



- Step 1, Unzip the "WGToolSetup.zip" and install the "WGToolSetup.exe".
- Step 2, Start the FW update tool, "UdpUpdater.exe"
- Step 3, Set the Device IP
- Step 4, Select Device "727iV3"

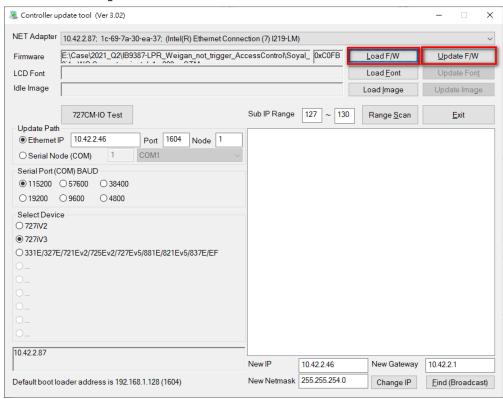
FW Update SOP 2/4



- Step 5, Check the "New IP" setting, the device will be set to this new address.
 - If you wouldn't like to change the device IP, type the current device IP settings.

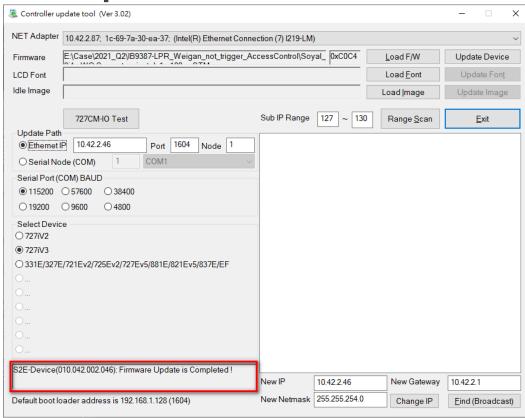


FW Update SOP 3/4



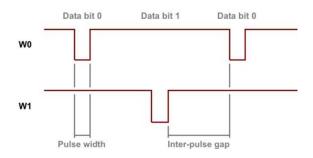
- Step 6, Click "Load F/W" to select the firmware.
- Step 7, Click "Update F/W" to start update.





Once it shows "Firmware Update is Complete!", the firmware is updated successfully.

Notice



If user wants to reset the firmware to factory default, please update this version "APX727i3____V0501 8i4o WG Converter vivotek 1m100us" to back to default firmware version.

Version	Pulse Width	Inter-pulse Gap
[Current Setting] APX727i3V0501 8i4o WG Converter	100 <mark>µs</mark>	1 ms
vivotek 1m100us		
APX727i3V0501 8i4o WG Converter vivotek 1m200us	200 <mark>µs</mark>	1 ms
APX727i3V0501 8i4o WG Converter vivotek 2m100us	100 µs	2ms
APX727i3V0501 8i4o WG Converter vivotek 2m200us	200 µs	2 ms
APX727i3V0501 8i4o WG Converter vivotek 2m500us	500 µs	2 ms