

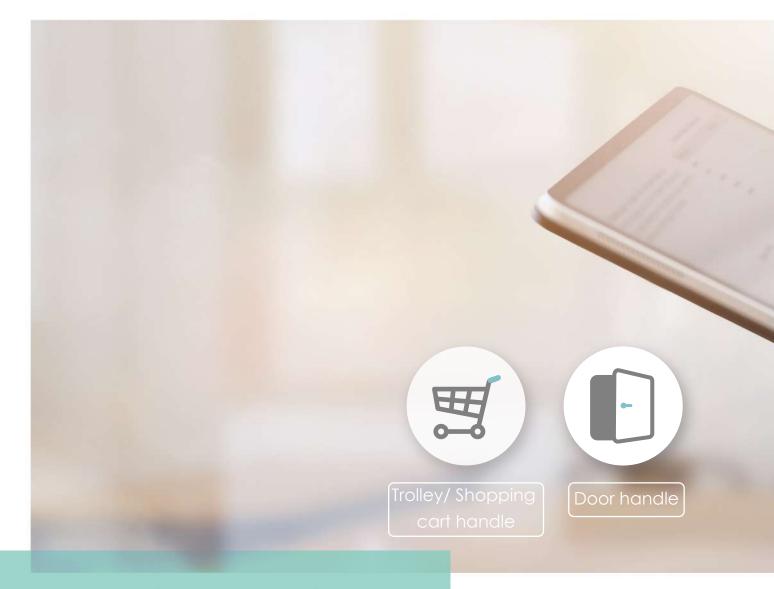




Nano-silver Antibacterial Film/Sticker







Nano-silver Antibacterial Sticker

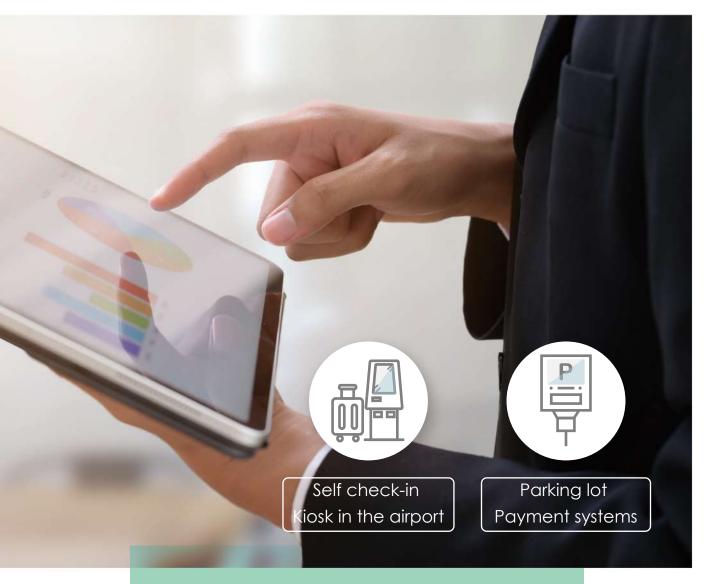
NanoU⁺ Antibacterial Sticker can be made into transparent and non-transparent materials.

It can be used on various surfaces not limited to flat shapes but also curved surfaces that are not easy to stick, including public areas such as cart handles, door handles, handrails, elevator buttons, etc.

Nano-silver Antibacterial Sticker	UNCS Transparent	UNCS Non-transparent
VLT %	86	-
Thickness µm	12	100
Adhesion	No residue	No residue

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Nano-silver Antibacterial Film

The nano silver antibacterial technology is applied on the no residue and good bubble discharge substrate, so that the film can be used on touch screen products, such as: ATM touch screen, kiosks and other touch panels, achieving the best antibacterial performance in your daily life.

ano-silver Antibacterial Film	UNTF
LT %	90
nickness µm	150
dhesion	No residue (With good bubble discharge)
ardness	2H

9		\sim
	U	%
	VLT	

Comparison of various sterilization

Compared to the hypochlorous acid and alcohol, nanosilver ions is mild, non-irritating, and it does not have poisonous side effects.

Principle	Performance	Risk
Silver ions pierce through the external surfaces of the cells and damage their DNA, as well as the protein structure, halting their metabolism and reproduction until they die.	Effective and continuous	Silver ions are trace elements in the human body. Using it for sterilization is very safe.
Alcohol kills bacteria through a process known as denatur- ation.	Changes in temperature will cause a reduction in sterilization capacity, and the effect will not last after volatilization.	May cause skin allergic reactions.
Oxidation breaks down pathogens.	Strong performance, but the effect will be gradually decreases with oxidation.	Oxidation in a weakly acidic environment will release chlorine gas while redox in hypochlorite gives hydrochloric acid.



Test result from ETC (Electronics testing center, Taiwan)
99.99% reduction of E.coli in 24 hours
The best shortcut to complete self-cleaning in public areas



01

02

03

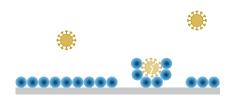
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Self-Cleaning
Gentle and
not irritating

Easy to clean
Anti-fouling

Convenience
Easy to use

Long-lasting
Physical
antimicrobial method





Virus



Αgt

Research indicates that nano silver has an tremendous effect on the elimination of germs and bacteria, and can be successfully sterilized in a very short time. The antibacterial principle is to use Nano-silver turn into Silver ions [Ag⁺] through moisture.

Ag⁺ attack the negatively-charged cell membrane, nucleic acids, and enzymes of the bacteria, disintegrating the bacterial and killing the bacterium.

Uplus Life plus.



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