

V-FRONT v7

IAM, SSO, MFA

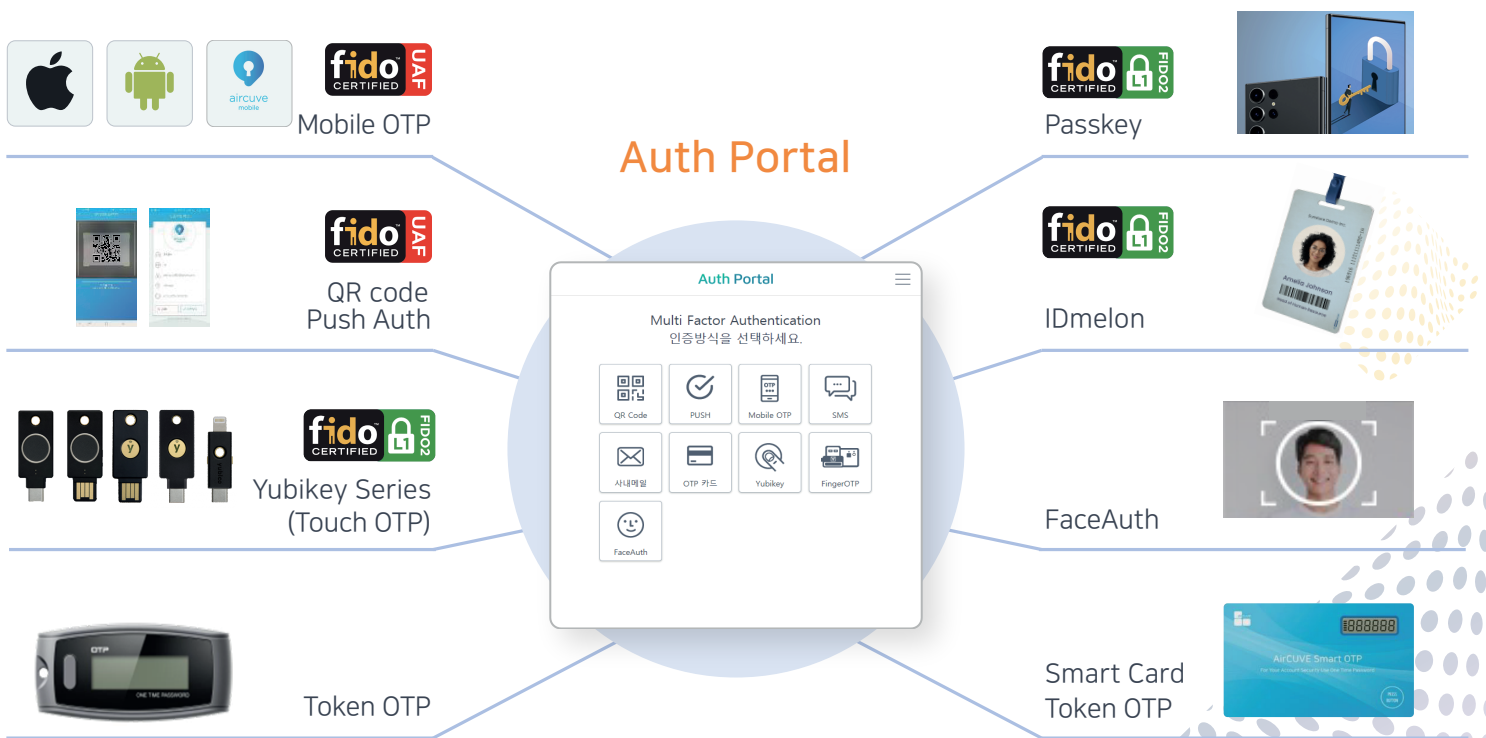
(FIDO, Finger-print Auth, Facial recognition, YubiKey, Mobile OTP, Token OTP, Passkey, NFC card-based Passkey)



Logical Security service Enhanced Authentication for all areas



MFA Token



Product Config



MFA(Additional Auth Server)

- 2Factor Auth (VPN, VDI, network access, server, etc..) support
- RADIUS Protocol, API based system access support
- Hard & Soft OTP, PUSH, QR, YubiKey, Touch OTP

User Management Portal

- Easy & Automated User registration process
- User auth token assign, terminal change, self-registration
- User WEB Authentication Pag



QR Code



PUSH



Mobile OTP



FIDO Key



Passkey



OTP Card



Yubikey



IDmelon



Face Auth

FIDO Based Auth/Security



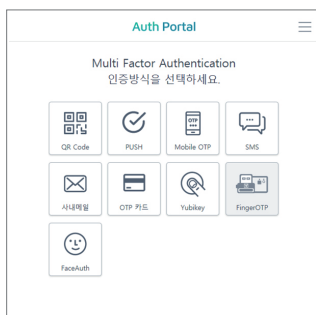
ISO 9001 Auth



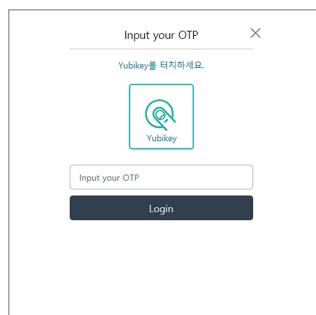
FIDO Alliance Members

- Standard RADIUS Protocol, OAuth 2.0
- Supports FIDO UAF
- VPN, VDI, Server access, Web server, network, Windows, Linux, Unix, AIX, etc.. 2FA support
- Integrated Audit Log support
(account management /OTP issue data / OTP successful auth data, failed auth data, etc..)
- TTA Software Quality Grade 1 GS certification
- ISO 9001 Standard Auth Certified

Efficient User Management



Auth Portal



User Portal

- Web based admin portal
- Automated user registration and access terminal
- Smart (Mobile) Provision
- Per user 2FA system add /change support
- User Self Register process function support
- Minimum Admin intervention and efficient management

AirFRONT v7

Network (Wi-Fi) Access Authentication
Integrated Wired/Wireless Authentication



Authentication and wireless segment encryption support



Data Interval Encryption



International Certification
/ Security Standard

- IEEE802.1x auth standard support
- IEEE802.11i security standard support
- Wireless LAN encryption support (WPA1,2, WPA3)
- Standard RADIUS Protocol (IPv6, AAA standard support)
- Combined Auth (ID/PW+MAC) support
- ID based, MAC based, Authentication based support

Captive Portal

AirFRONT

로그인이 필요합니다.

ID

PW

Login

AirFRONT

로그인이 필요합니다.

회사

이름

전화번호

사유

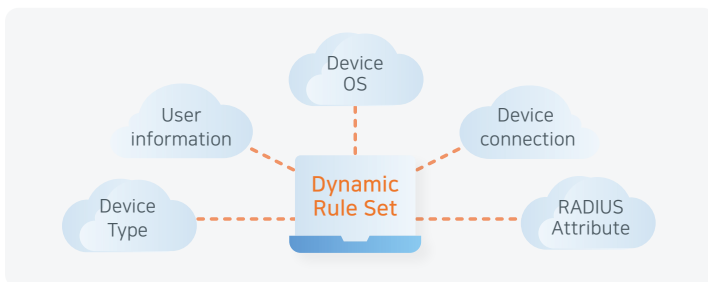
Login

User Login

Guest Login

- Ability to create multiple auth page support
- Employee/Guest auth page identity management function support
- Terminal Management function support
- Security protocol setting support
- WIPS interlock function support
- Guide statement setting function support
- Randomized MAC Address guide page support

SDN policy-based IP Mobility Integrated Auth Support



SDN policy-based IP Mobility Auth System support

- IP identity system for wired/wireless/smart terminals
- User, ID, IP, MAC etc.. terminal integration management support
- Access control for user and terminal distinction support
- Auto registration support (minimum admin intervention)
- Agentless based & DHCP(important IP, IP protection) support
- Additional auth system for web terminal

AirFRONT v7 Certifications



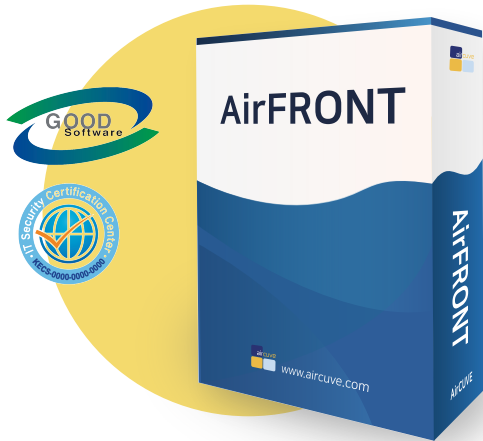
National Intelligence Service
EAL-4 CC certification

TTA Grade 1
GS certification

ISO 9001
certification

- IITSCC CC certification [NISS-1138-2021]
 - Wireless LAN security requirement V3.0R1
 - Server security requirement V3.0R1
 - Endpoint requirement V3.0
 - EAL-Grade 4
- TTA Software Quality certificate [21-0428]
 - Grade 1
- ISO 9001 Quality Management System certified

Product Config



Standard Server Spec

CPU	Quad-Core 3.4GHz	PSU	Redundant Power
HDD	500GB SATA (2EA)		- Power : 180W
NIC	Gigabit (4Port)		- Ampere : 0.8
RAM	16GB		- Heat : 443
SIZE	1U (43x439x548/mm)		- Single phase 3 line system



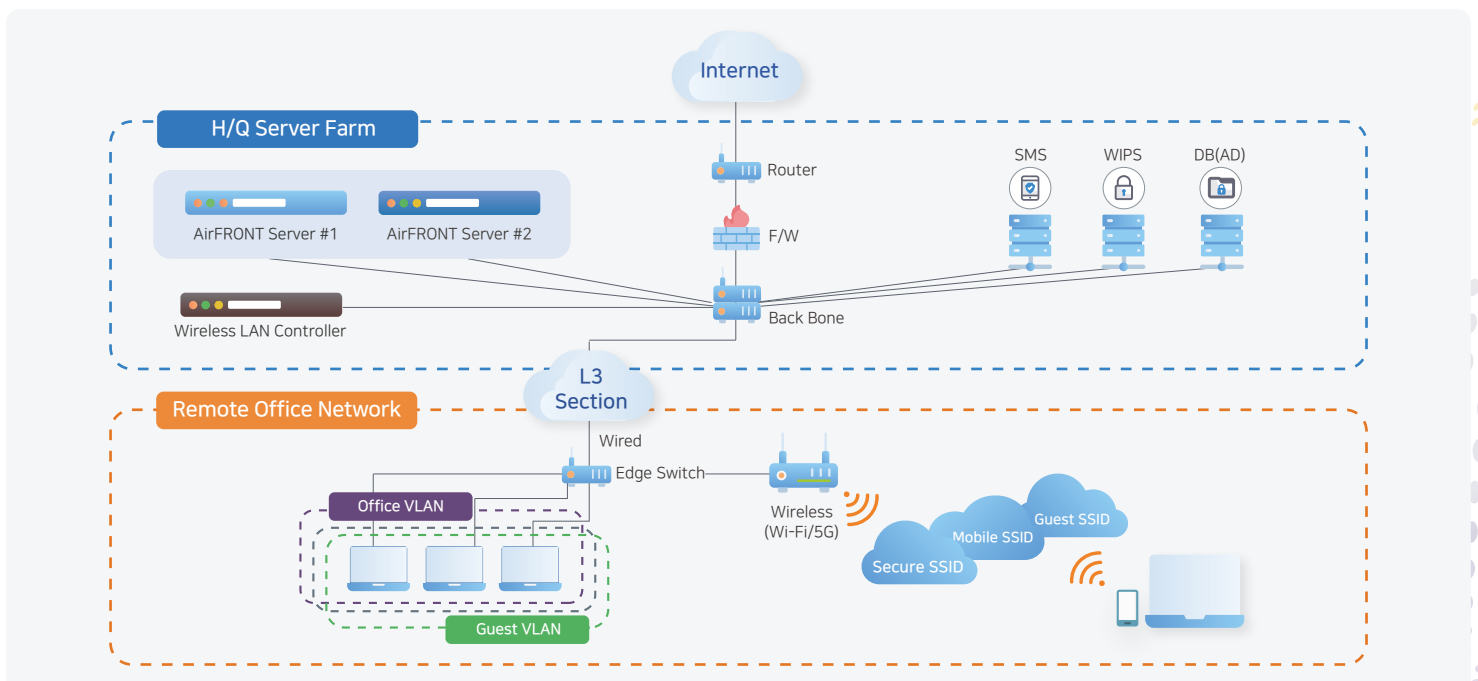
Product Spec



Public Procurement Service
<https://digitalmall.g2b.go.kr>

	Model	License	Item ID number
AirFRONT v7	AirFRONT G1k	Simultaneous Connection 1,000	24458302
	AirFRONT G2k	Simultaneous Connection 2,000	24458303
	AirFRONT G3k	Simultaneous Connection 3,000	24458304
	DHCP Module	Max 3,000	24458301
	1 User License	1 License Add	24458300

Config



ByFRONT SUITE v7

Software Defined Networking
Wired and Wireless Integrated Authentication



Global SDN network partner vendors



Arista Networks



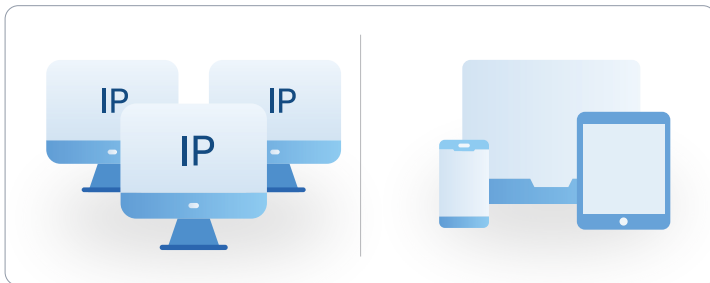
Cisco Systems



Samsung
SDN Controller

- Arista Networks SDN Network architecture compatibility
- Arista Cloud Vision interface development support
- Cisco Systems SDN Network architecture compatibility
- Cisco Eco Partner
- Cisco DNA Center interface development support
- Samsung Electronics SDN Controller ODM certified product
- Private 5G Auth support
- Customizable and Developed according to customer requirement
- HP(Aruba), Huawei, Juniper, Extreme, etc.. vendor support

IP & Device Management Support



IP Management

Device Management

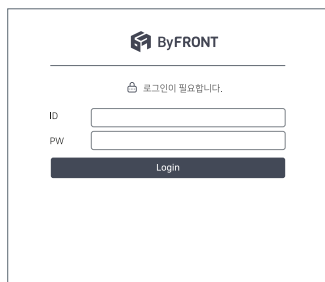
[IP Management]

- User IP recognition through VLAN
- Device recognition through VLAN

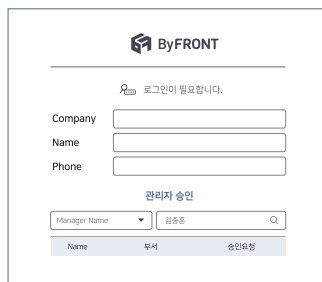
[IP manual provision]

- DHCP allocation's usage status information
- DHCP fix, auto fix and protection key IP
- IP Policy functionality (Any, Blocking, Permit)

New Device Registration



User Login



Guest Login

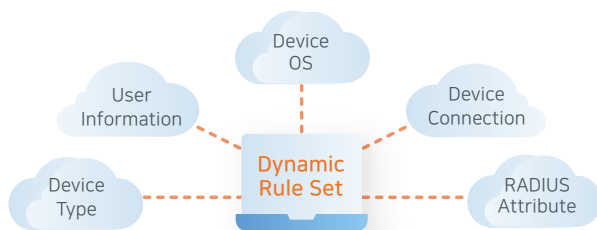
[Onboarding functionality]

- Simple user device registration
- Device OTP (Finger Print) support
- SMS, OTP function support

[Network Sensor InFRONT]

- TCU, UDP, ARP real-time based block packet
- Real-time based device monitoring
- http web page redirection

Dynamic Policy



Policy Management

[SDN policy-based network management]

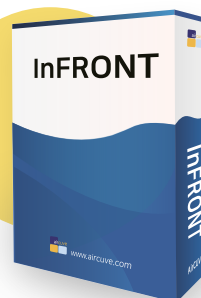
- Multi Vendor wired/wireless network compatibility
- Wired/Wireless Authentication support
- Redirection of unauthorized device to specific VLAN
- Dynamic Access according to device type
- Dynamic Access according to User Type and Work operation

Product Config



SDN policy-based Wired/Wireless auth

RADIUS, IEEE802.x, IEEE802.11i standard
User ID, IP, MAC integrated management
ID, MAC, Device type, User information-based Auth



Web Auth Sensor

WEB based authentication architecture
MAC, IP collection and automated
block unauthorized access
MAC, IP collect of new registered device

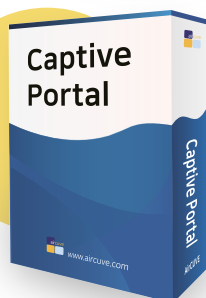


SDN Policy based IP mobility

Wired/Wireless device type identification (PC, Mobile)
Device OS identification (OS version)
User device IP assign, Static IP, IP protection

Standard Server Spec

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WEB Portal (SW)

Per employee/guest User Auth
Assigned policy-based blocking (customizable)
Policy based group onboarding (usage timely manner)



Config

