

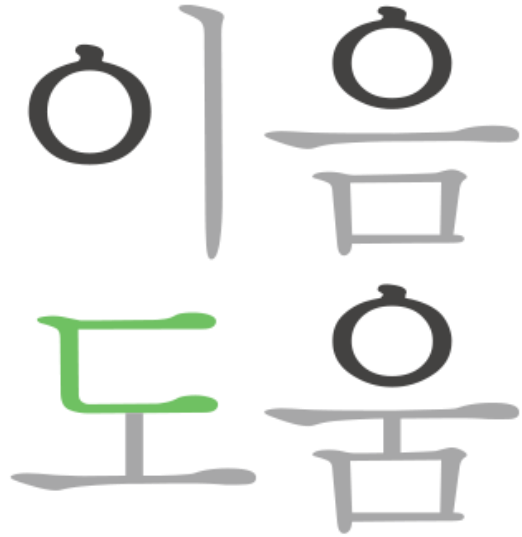


Make
Link

Make
Better

2017
NANOIT
Company Introduction





Make **Link**
Make **Better**



Since 2005
We will create technology
That benefits the world
And connects people together

We are confident in creating a warm,
kind society where people are connected
and willing To help each other

Our 10 years of precious relations with customers
Has created today's NANOIT. We are pursuing to become
A company that fulfills the value of "make link make better"
based on the support we have received from our customers.

We create a smart retail commerce culture
through business communication skills

The advanced communication technology of NANOIT based
on High speed internet infrastructure creates a smart retail
commerce culture through connecting and supporting clients
with independent enterprises.

A basic yet innovative way of thinking is the key to success.

A beneficial IT software technology must be devoted to basics. New ideas are created based on technology and know-how holding its root to basics.

1 Big Data Service

This service provides top-class internet business for gathering and processing big data at an affordable cost, based on SK Broadband's advanced infrastructure and broadband network

2 DDoS Security Service

This security service protects intellectual assets of clients from network based DDoS attacks, as an additional service from our IDC(Internet Data Center) Service

3 BIZ-Messaging Service

A real-time high transmission message service that sends Texts and images to wireless mobile device users
From computers connected to the internet or with private lines
As a Web-to-Phone mobile message service

4 O2O Service

An IT Solution service that creatively provides new nationwide distribution channels By forming a smart-work platform in supermarkets

5 Overseas e-Commerce

An online B2C service fit for globalization provided through Contracts With large Vietnam online shopping malls with CJ Korea Express Co., Ltd As the overseas sales agency



HQ : 2F, 3144, Dalgubeol-daero, Suseong-gu, Daegu



Company Affiliated Research Institute :
2F, 6, Nbyeongongwon-ro 1-gil, Suseong-gu, Daegu



Seoul : 2F, 38-3, Cheongdugot-gil, Seocho-gu, Seoul

Vision 2020

Our company seeks the value of earnest development based on the 'together value'



- 2005. 05 Start of NANOIT Co., Ltd.
- 06 Designated as tech support company for Daegu Gyeongbuk shopping mall vitalization business (Youngjin ECRC)
- 2006. 07 Designated as academic-industrial consortium business operator(SMBA)
- 2007. 05 Venture Company (SMBC)
- 06 Establishment of affiliated company research institute(KITPA)
- 2012. 09 Consigned Operator for SK Broadband Suseong IDC
- 2013. 03 Trademark registration of DDoS Nangongbullak
- 12 Patent Registration (ISP dispersed DDoS defense system & methods)
- 2014. 07 Registered as partner for KT
- 10 Service contract for CJ HelloVision corporate messaging service
- 2015. 05 Investment by Samsung Venture
- 12 Citation for software by Mayor of Daegu
- 2016. 06 INNOBIZ Certification
- 09 Consigned operator for DREAMLINE corporate messaging service
- 12 Consigned operator for Hyundai Department Store HNC corporate messaging service
- 12 Designated as Daegu's top 100 companies





Big Data Center

Internet Data Center Service

The Big Data Center of NANOIT is equipped with all facilities necessary for internet communication, along with a Total space of 257,600m² based on SK Broadband's advanced infrastructure and broadband network. The environment Allows for optimal internet business execution and big data gathering/processing with internet companies



1 Inexpensive & Reasonable Price

Client TCO reduction through the only big data center located in province areas

2 Big Data Exclusive Broadband Network

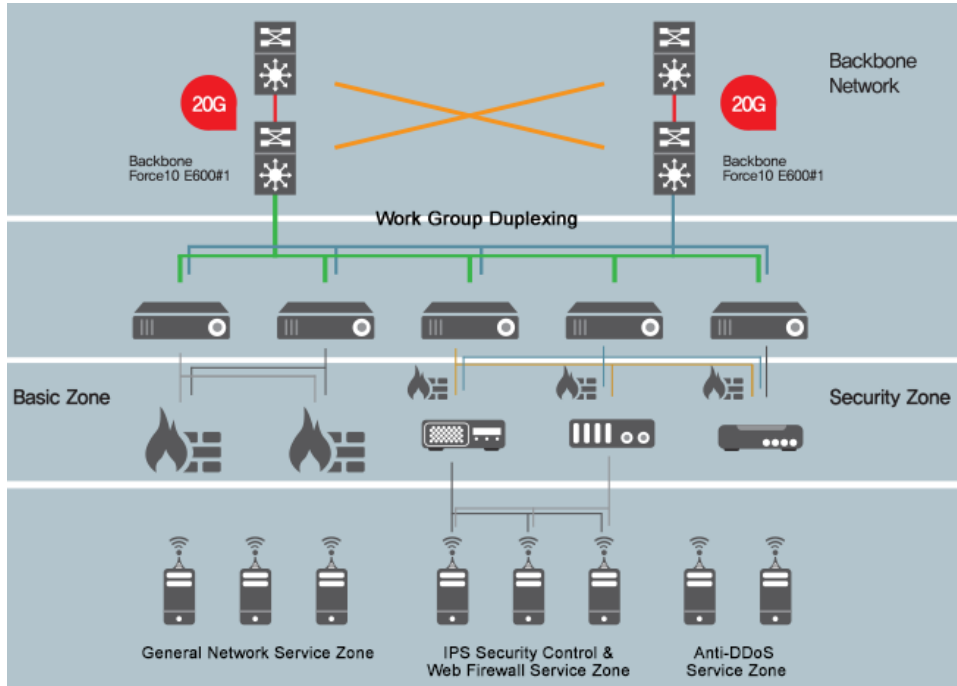
Ultra large scale & bandwidth network for processing ultra high speed / high capacity data

3 Premium Security Control Service

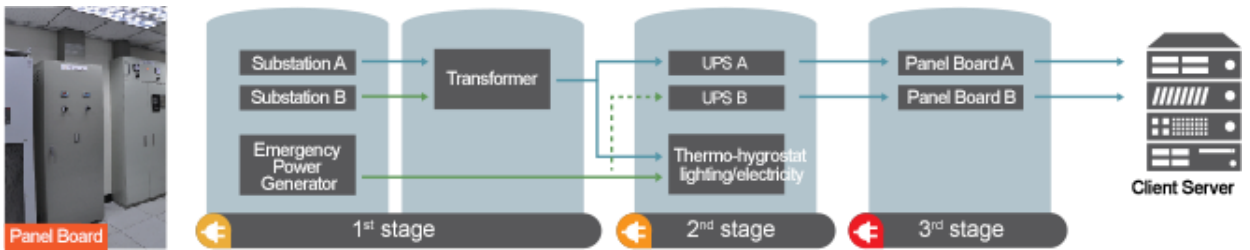
Control service through 24 hour 365day monitoring

NANOIT has been designated as the consigned agency for SK Broadband Suseong IDC, providing stable and high quality Internet service

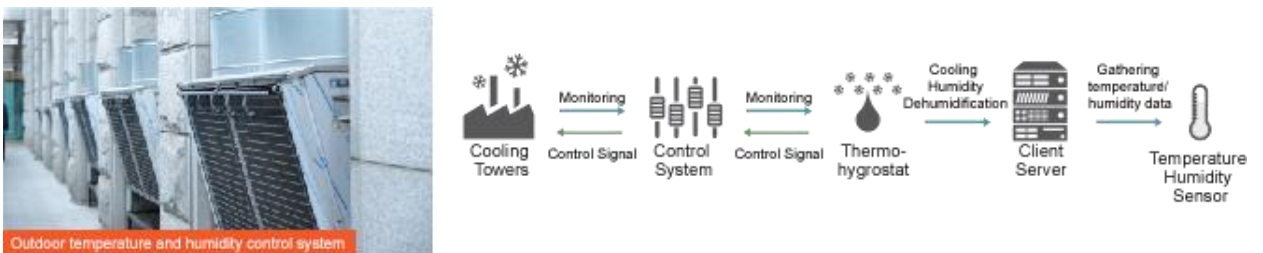
40G Networking Duplexing



Electricity Facility

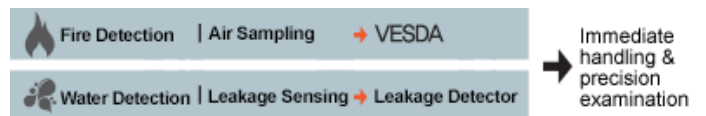


HVAC Facility



Disaster Facility

Initial response time and measures are very important during Disaster situations. We are operating an advanced water Leakage system along with VESDA, a state-of-the-art system For early detection. Automated fire extinguishing facilities And expertise personnel are on standby for immediate response.



Co-Location

Co-location is a term where NANOIT's Big Data Center provides ultra high speed internet lines front for Servers owned by companies and individuals. The co-location of NANOIT is not a simple rental of lines and front. We provide all related services including firewalls, web DNS, web mail, network usage amount, tech support for Maximizing customer service.

Front Usage Prices



Type	Applied Rate	Note
1U Unit	40,000KRW	1U – 1 device
19" Quarter Rack (19" Full Rack 1/4)	200,000KRW	1U – 7 devices
19" Half Rack (19" Full Rack 1/2)	350,000KRW	1U - 14 devices
19" Full Rack	600,000KRW	1U - 28 devices

Line Usage Prices

(Monthly Prices)

Type	Applied Rate	Event Price
10Mbps Dedicated	250,000KRW	100,000KRW
50Mbps Dedicated	200,000KRW	400,000KRW
100Mbps Dedicated	350,000KRW	800,000KRW
500Mbps Dedicated & over	Separate Agreement	
Additional Traffic	1M/10,000KRW	

Details

Usage Prices	Line usage Prices + front usage Prices + separate inquiry for server, switch, and firewall lease Prices
Note	<p>Shared Line for Multiple Servers ex1) 100M Shared : Shared use of 100Mbps high speed line by multiple servers (100Mbps / No. of Servers)</p> <p>Dedicated Line for Single Servers ex2) 100M Dedicated : Exclusive use of 100Mbps high speed line by one server (100Mbps Fixed)</p>

Server Hosting

Server hosting is an exclusive, single server use service unlike web hosting, where various companies share a single server. Thus, server hosting provides a more safe and professional internet business environment. We provide low Initial Prices of globally acclaimed server maker products, thus reducing costs for our clients along with supporting high speed Internet line and additional service such as co-location



Service Prices

(Monthly Prices)

Server Type	1U	2U	3U
Server Price (Rental Prices)	Separate Agreement by Product		
Line, Front Usage Prices	40,000KRW	80,000KRW	120,000KRW
Guaranteed Bandwidth	100M (Basic Max 5Mbps)		
Additional Traffic	1M / 10,000KRW		

Supplementary Service

NANOIT provides optimized consulting for server management and operation, preventing unnecessary supplementary Service in advance, and providing a customer-centered service.

<p>Integrated Server Management Service Server Management by Professionals</p> <p>Server management helper Server integrated management service Package type integrated management service Server relocation Service</p>	<p>Security Service Protect your preciousz information</p> <p>V3 corporate vaccine service Avast corporate vaccine service S-NI security server certificate</p>	<p>Security Control Service Real-time control, 24 hours 365 days</p> <p>Shared firewall Single-type firewall Web firewall IPS Install-type web firewall</p>
<p>Back-up Service Safe and fast back-up at preferred time</p> <p>CDP back-up Co-location back-up server rental service</p>	<p>Load-Balancing Service Traffic dispersion procession without speed hindrance</p> <p>Server load-balancing L4 switch load balancing</p>	<p>License Support Service One-click MS license support</p> <p>MS Server license lease Windows OS download</p>
<p>MS-SQL Joint Service Joint MS-SQL Service at Affordable Prices</p> <p>MS-SQL Joint DB Service</p>	<p>CDN Service Fast and easy use of large contents</p> <p>Server load-balancing L4 switch load balancing</p>	<p>HA(High Availability) Service Support of failover for system HA</p> <p>HA(High Availability) Solution</p>



Anti DDoS

Distributed Denial of Service Protector Service

The Anti DDoS service of NANOIT presents a dispersed defense system by ISP using GEO DDNS. It is the nation's only patented DDoS roundabout defense service that secures the continuity of Customer service even from large capacity and bandwidth attacks of more than 120G

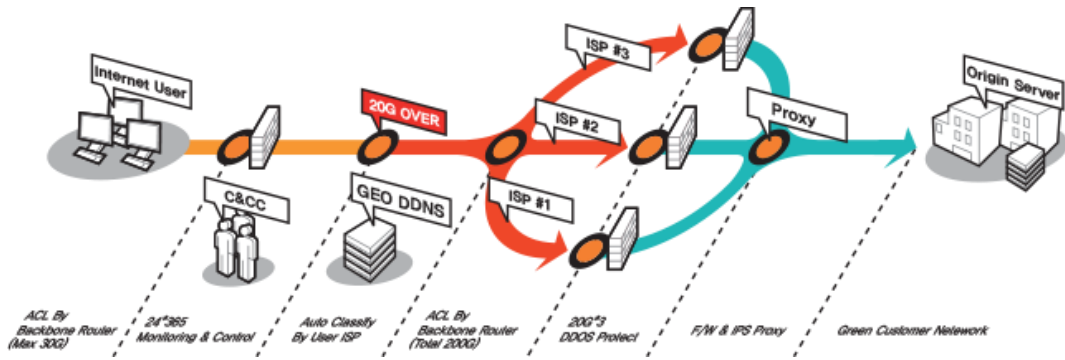
The One and Only, Both Globally & Domestically Patented DDOS Defense Technology



- 1 Affordable & Reasonable Security Costs**
 TCO reduction for clients through DDoS security zone operation, targeted by each client service type
- 2 Acquisition of Large-scale Bandwidth DDoS Defense System**
 Korea's largest bandwidth attack defense through dispersed defense system by ISP (Defense system capable of handling 200G attacks)
- 3 Premium Security Control Service**
 Security control service through top-class security experts 24 hours / 365 days



Anti DDoS Service Flow



Traffic Processing Under Normal Conditions	Under normal conditions, traffic enters the client system for processing. A preliminary port forwarding operation is conducted according to type of service between the client server & NANOIT server
Traffic Roundabout During Attack	The initial defense is conducted by the Anti-DDoS system or HQ's basic zone during attacks. If the defense system inadequate, the GEO-DNS conducts a roundabout route For each ISP DDoS Zone. ※ GEO-DNS : A name server that induces access to relevant ISP by gathering information Of Ender user's ISP for dispersed defense
Traffic Processing During Attacks	The DDoS Zone is composed of a large-scale anti DDoS equipment and agent server which Processes roundabout traffic, along with three physically dispersed IDC (KT, LGU+, SKB) by ISP. ※ DDoS Zone : This zone is equipped with a large-scale Anti-DDoS equipment, port forwarding Normal traffics only to the original client server. The agent server composition is flexible according To the traffic size, and therefore guarantees smooth processing even during large-scale traffic attacks.

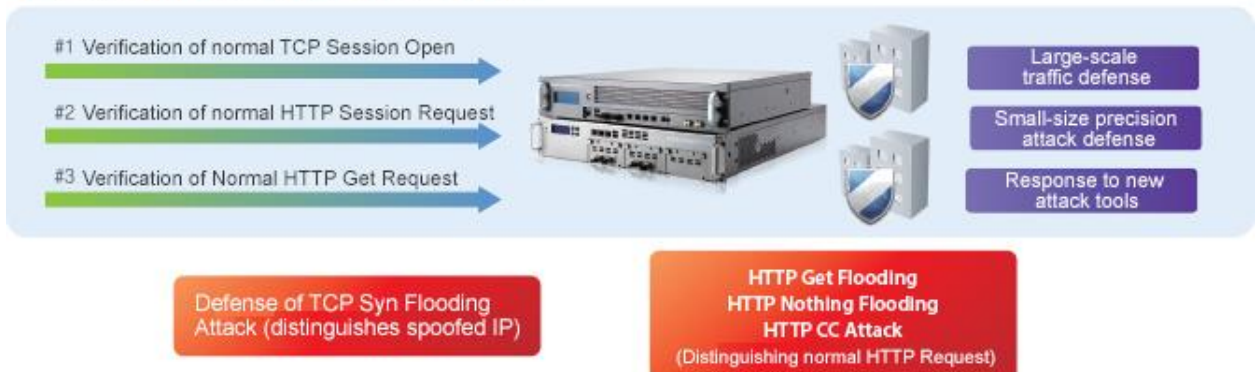
Patent Registration no. 10-1345006 (ISP dispersed DDoS defense system & methods)

DDoS Exclusive 10G Equipment TrusGuard DPX

The Anti DDoS exclusive equipment provides a self-decision feature for distinguishing TCP session requests, along with normal And abnormal HTTP requests. This method allows for a strong defense against large scale attacks, which are dispersed into precision, small-scale HTTP attacks which are currently difficult to handle with the current threshold method. In addition, the Detailed policies allow for automatic calculation of threshold by departure IP which cause large amounts of traffic through normal methods.

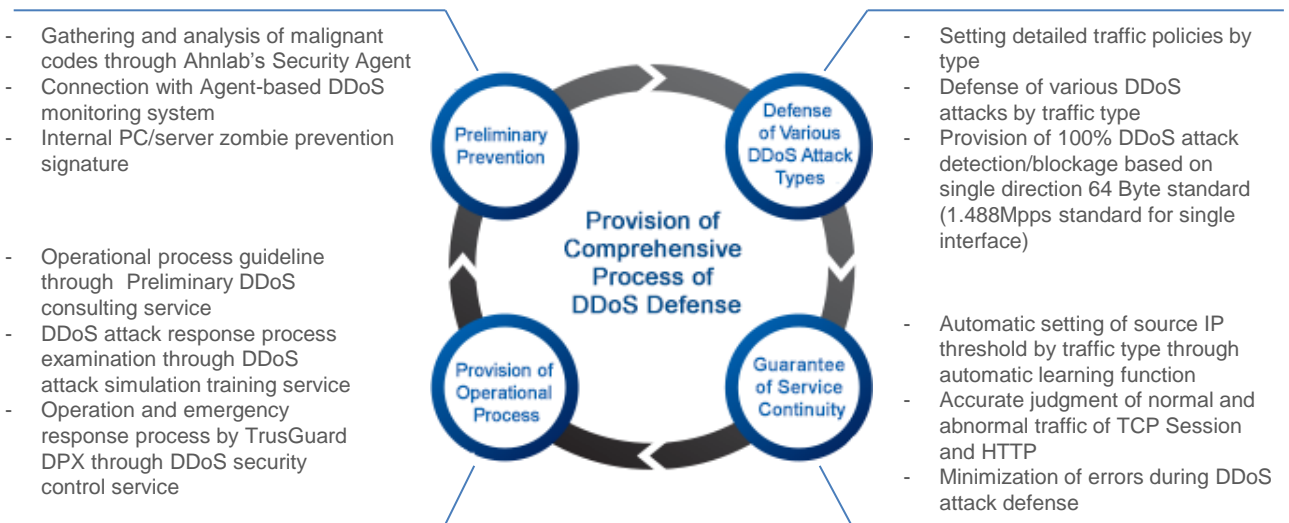
Packet TCP	Session-based TCP	UDP	ICMP	HTTP DDoS Attack
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Verification of normal TCP Session Request



Enterprise Service

The Anti DDoS is the brand name of a DDoS defense method (patent registration), developed through NANOIT's accumulated DDoS security experience and knowledge. We ensure the continuity of our client's IT Service through 10G size DDoS exclusive equipment along with GEO DDNS, hardware based packet forwarding, And IPS(Intrusion Prevention System).



Anti DDoS Security Prices

(Monthly Prices)

Service Type	Applied Rate	Note
Anti DDoS Basic	300,000KRW	Up to 10G for TCP/UDP
Anti DDoS Proxy	300,000KRW	Up to 10G for TCP/UDP
Anti DDoS Professional	1,500,000KRW	Unlimited TCP 20G/UDP
Anti DDoS Unlimited	Separate Agreement	DDoS Individual Network Operation

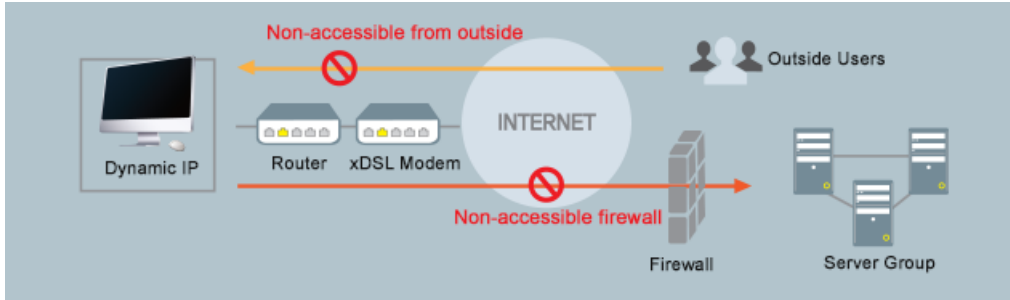
Details

Prices	Anti DDoS Security Prices + Line Usage Prices + Front Usage Prices
Note	Temporary errors may occur for Anti DDoS basic, proxy, and professional products due to attacks that exceed threshold amount, as the products use joint networks. Some errors may occur during the connected network sections for attacks exceeding the capacity of 10G, and additional service costs may occur for solving connected network errors.

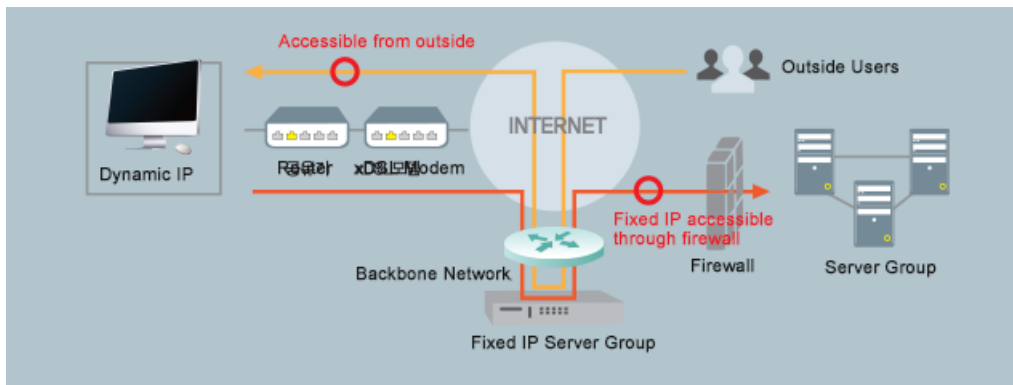
Anti DDoS VPN

This product is the nation's first combination of Anti DDoS security and VPN technology, utilizing the PPTP(Point-to-Point tunneling Protocol) technology for easy installation without relocation of the client's equipment. With this simple process, users can receive the nation's best Anti DDoS security service.

Before Anti DDoS VPN Connection



After Anti DDoS VPN Connection – Grant of Fixed IP



Anti DDoS VPN Service Prices

(Monthly Prices)

Service Type	Applied Rate	Applied Rate
Personal	Personal & Home Anti DDoS Service(Protect Max 5G/3Mbps)	50,000KRW
Corporate	Corporate Anti DDoS Service(Protect Max 5G/10Mbps)	100,000KRW
Server Type	Anti DDoS for Server Operation Service(Protect Max 10G/3Mbps)	200,000KRW
Anti DDoS VPN Router	Router with Anti DDoS VPN Client(D-Link DIR-820L)	50,000KRW(Purchase Price)



Anti DDoS Router

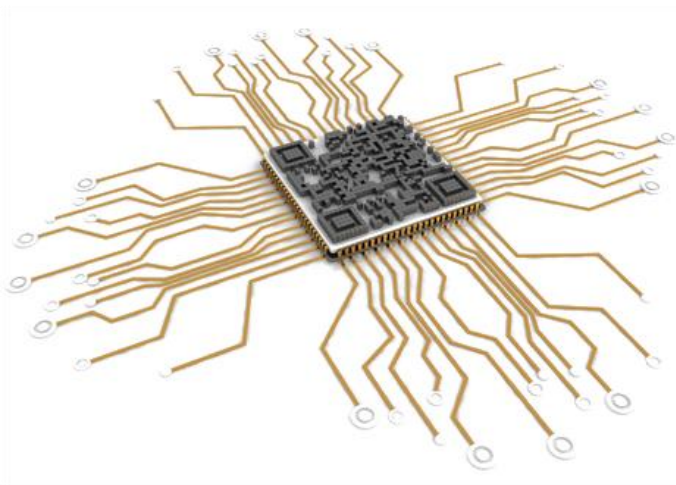
Manufacturer Information	Manufacturer : D-Link Model Name : DIR-820L
Note	Anti DDoS VPN Client Simultaneous support of IEEE 5Ghz/2.4Ghz Four 100Mbps LAN ports One 100Mbps WAN port



NI Service

Network Integrated Service

The Network Integrated Service provided by NANOIT provides an optimal integrated system service along with a flexible, stable advanced communications network through consultation based on various IT knowledge.



- 1 Professional Consulting**
Provision of consultation through diverse IT knowledge
- 2 System Integration**
Provision of optimal comprehensive service
- 3 Outsourcing**
Provision of top class maintenance through experts
- 4 Network Integration**
Service through cooperation with Allied Telesyn
- 5 Establishment of Integrated Network**
Establishment of flexible & stable advanced communications network

Network Integrated Service Strategy

“ e-Partner, Making business smart ”



Major Accomplishment

- ◎ Information System Integrated Maintenance Service (Daegu Metropolitan Rapid Transit) – 2017
- ◎ Establishment of Central 119 Rescue HQ National Mobile Communication Network (KT) – 2017
- ◎ Media Service System (Daegu City) – 2016
- ◎ Establishment of Administrative Integration Network, Gyeongbuk Yeongcheon City Hall (KT) – 2016
- ◎ Establishment of Administrative Integration Network, Gyeongbuk Gyeongju City Hall (KT) – 2016
- ◎ Service for Dojeong Comprehensive Information Room & Cyber Violation Response Center (Gyeongsangbuk-do Office) – 2015 & many others

Major Partners





Business Messaging

Unified Messaging System Service

NANOIT holds exclusive and core technology in the corporate messaging industry. we provide customer centric service through connection with IT solution for each corporation's diverse business purpose, providing low-cost messaging service through a hybrid messaging system by combining exclusive gateway technology and NPDB.



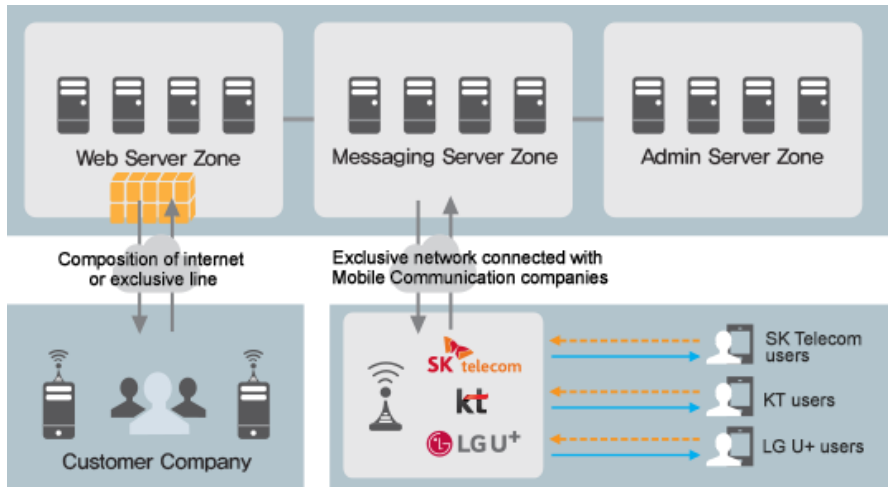
Messaging Gateway BMX 5000

Provision of Perfect Service That Guarantees **Stability, Survivability, and Expandability**

- 1 Multi-platform Environment**
Link with IT solution that fits each company's business purpose
- 2 Hybrid Messaging System**
Low-cost messaging service through exclusive gateway technology & NPDB
- 3 Multiplex Large-capacity Exclusive Server**
Non-stop service that guarantees stability through 24 hour real-time error response

Service Composition

The service is composed of a large capacity multiplex messaging server of NANO IT. This leads to provision of a stable service along with operation of premium channel services, for internet service companies and Financial industries which must focus on applying large-scale traffics and stability based on high speed Transmission through securing exclusive lines and large-capacity channels with Mobile Communication enterprises.



Service Benefits

Stable High-quality Connected Network	Connection with Client Companies	Customer-centered Service
Multiplexing of messaging server Connection of stable exclusive line with Mobile Communication enterprises Active-Active load dispersion structure	Service connection through general Internet network Provision of dual exclusive line during necessary cases Provision of transmission module suitable for customer environment Support of messaging distribution module connection	Statistics & status information 24 hour error inspection & real time notice Client exclusive statistics inquiry program

Major Partners

 Development Partner	 IDC Consigned Operating Partner	  Corporate Message Consigned Operating Partner	 Company Message Supplier	 Venture Investment By Samsung
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Service Prices

The table is a sample data, indicated in KRW.

Service Type	Start (per message)	End (per message)	Standard Prices	Minimal unit Price For information/ work purpose	Minimal unit price For information/ work purpose
SMS	1	10,000	20	10	10
	10,000,001	15,000,000	16	8.2	8.7
LMS	1	10,000	50	28	28
	10,000,001	15,000,000	40	23.5	23.5
MMS	1	10,000	200	70	70
	3,000,001	4,000,000	100	46	46.5



o2o Service

Online to Offline Service

NANOIT MARTYA is a sales promotion solution for small business supermarkets. We will establish a new distribution smart work platform for small size supermarkets, creating a nationwide distribution channel and sales medium where customers can experience various purchase routes

We connect supermarkets and customers.
We provide help to daily life



1 Messaging Service

The advanced technology gateway system is a supermarket specialized service meeting the requirements of clients, providing a low cost, reasonable and stable messaging service

2 e-Commerce Service

This service not only provides shopping malls and product image DB formation to suit the needs of supermarkets, but also provides help with operation through a delivery broadcast service

3 Electronic Publication (W2P)

The leaflet production process has been reduced by great measures through a one source multi use method, resulting in a system that reduces time and costs

Our Supermarket becomes SMART!



NANOIT MARTYA helps owners operate Online supermarkets in a easy and convenient way



800,000 product DB,
The largest in Korea



Nation's first
POS connection



Product images by
Professional
photographers



Smart Messaging
Service



Smartphone based
Operation/
management
system



Hybrid App
(Web + APP)

Integrated Sales Promotion Solution for Supermarkets

NANOIT MARTYA has formed a digital DB of high resolution product images and information of over 800,000 items. We will create a differentiated competitiveness from large, corporate supermarkets.



PC+Mobile+APP New Concept Premium Shopping Mall

Compatible with not only PC but all smart devices, and browsers, supported in Android & iPhone



Reasonable & Fast Printing of Leaflets through Digital Printing Technology

Reduce printing costs and time by directly
Printing needed amount



Smart Mobile Messaging

Enjoy text messages, CMS, and push service
for clients who have installed applications!



High Resolution Product Image

High quality images directly photographed by
professional photographers



POP Printing of Various Designs

Easily print various POP designs needed
in stores



Easy & Convenient Management

Easy & convenient operation together with
store works, Helps sales increase through sales
analysis & shopping data



Overseas e-Commerce

Global e-commerce B2C System

NANOIT plans overseas online sales according to the fast trend of globalization. We are conducting a B2C business with Vietnam's major shopping malls, and we will serve to Provide Korea's outstanding products and technology to the global market.



1 Long-term Know-how & Technology

Acquisition of e-Bay certificate for eBay 3rd program Development since 2005, development of automation export platform using API



2 Entrance to Vietnam's Online Market

Sales of Korea's outstanding quality products through Cooperation with Vietnam's online shopping malls including Cungmua, Tiki, Chodientu, Vatgia, Nhommua, VCcorp

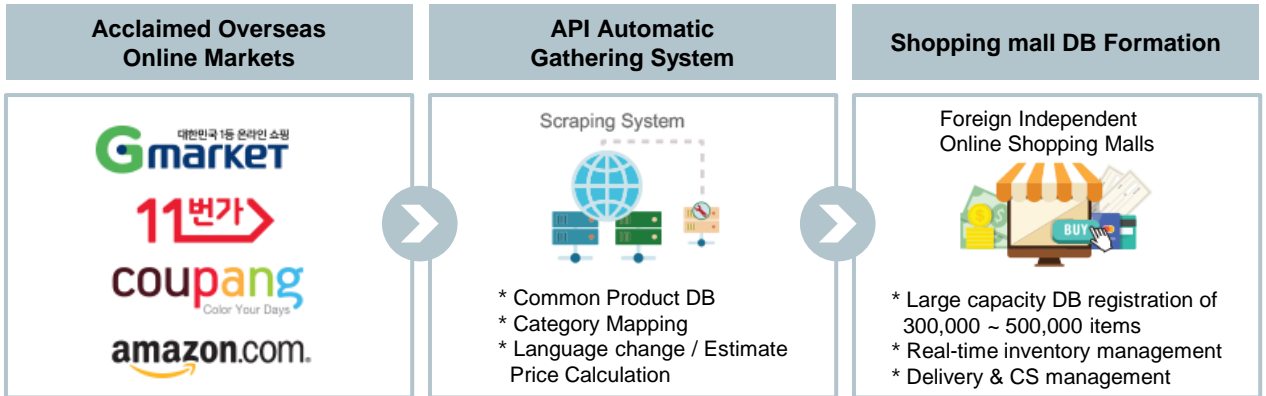
3 Offline Store Operation in Local Overseas Site

Cooperation with KOTRA offices in order to promote Korea's products through booths, increasing awareness of high quality products and showing Korea's marketing power



Export Platform Introduction

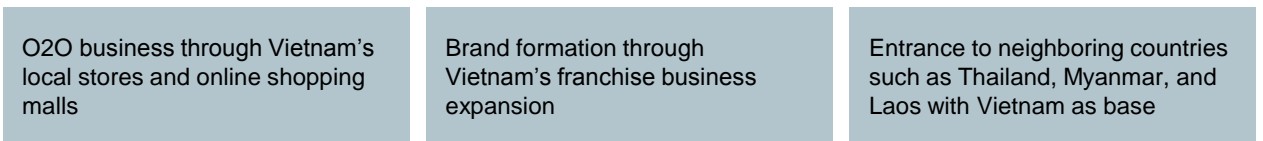
NANOIT automatically gathers shopping mall product DB of Korea's famous online websites. This process is followed by a large-quantity registration to foreign online markets, and the business model is based on a door to door delivery for foreign customers' purchase through acting as a purchasing agent



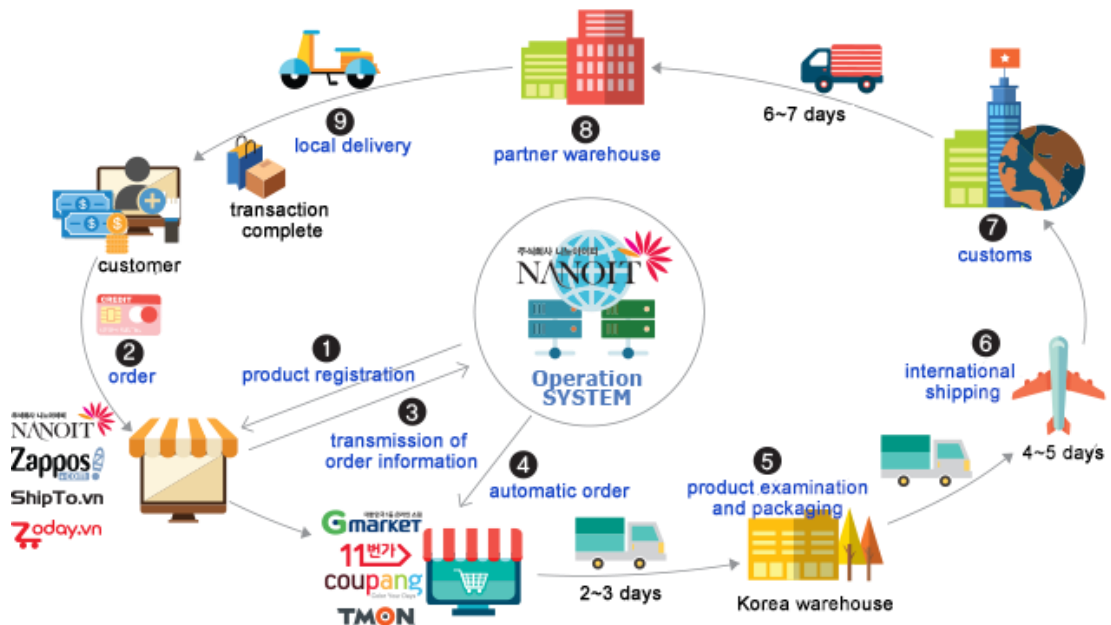
Service Benefits

- ◎ Large quantity registration through API connection
- ◎ No risk of product inventory as sales occurs after order by customer
- ◎ Securement of price competitiveness through pre-purchase of anticipated products by season through formation of new online product sales channel
- ◎ Formation of a global hub in Asia (Vietnam, Thailand, Laos, Myanmar) that integrates overseas online shopping malls and logistics

Vision



Purchasing Agent Process





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Thank you