



# FPT FORNIX DATA CENTER



# FPT TELECOM

## ALL SERVICES ON ONE CONNECTION

As a member of Vietnam's leading technology group - FPT.

FPT Telecom Joint Stock Company (FPT Telecom) has been one of the telecommunications and Internet service providers who are trusted and loved by customers all over Vietnam and the region.

Established on January 31, 1997, FPT Telecom originated from the FPT Online Exchange (FOX) founded by four members with its first Intranet network in Vietnam called "Trí tuệ Việt Nam" ("Vietnamese Intellectual"), which is considered to be the foundation for the development of the Internet in Vietnam.


Besides, the company has been making its mark on the international arena with 12 branches spread throughout Cambodia and 1 branch in Myanmar.



Telecommunications Infrastructure services: Fiber optic cable, Wi-Fi, IOT Network




Pay TV & Media: FPT TV, Content production, Media, Advertising



OTT & Online App: OTT service, Application on Internet platform, Financial services



IOT: iHome, Home Security, FPT Camera



Cloud & B2B Business: Internet Leased line, IDC Service, Cloud SAAS.

**25**

YEARS OF OPERATION

With more than **15.000**

FULL-TIME EMPLOYEES

And more than **300**

TRANSACTION OFFICES

In **61**

PROVINCES

# FPT INTERNATIONAL TELECOM

## SOLID PARTNER AND ENHANCED SOLUTIONS

Established on May 22, 2008, FPT International Telecom is a member company of FPT Telecom.

Inheriting the experience and infrastructure of the mother company – FPT Telecom, one of the leading telecom services providers in Vietnam, FPT Telecom International has been operating independently since the beginning of 2008 and is now considered to be one of the top reliable services providers in Vietnam.

FPT International Telecom is one of the Vietnam's most comprehensive and broadly adopted Cloud and IT services providers, offering a full spectrum of services nationwide. Thousands of customers – including the fastest-growing startups, largest enterprises, and leading government agencies – use FPT International Telecom to optimize their costs, become more agile, and innovate faster.



Well-structured network



Modern equipped facilities



Professional experienced team



Qualified consultancy and support



Migration services and on-site support

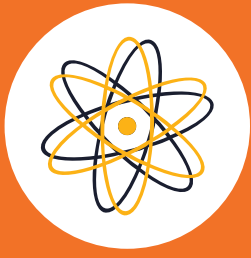


Cost- effectiveness



Certified local support 24/7/365

# SERVICES



## DATA TRANSMISSION

Internet leased line, IP MPLS, IPLC, IEPL, SD-WAN.

Direct Internet connection to the International (GIA) and Domestic Internet (NIX) with all speeds from 1Mbps up to 10 Gbps.



## DATA CENTER

Dedicated server, co-location, rack spaces, FDrive.

We provide the highest level of data security and availability to Customers by adopting stringent framework such as TCVN 9250:2012, ISO 9001-2015, ISO 27001-2013, PCI DSS, Uptime Tier III Facility.



## VOICE, SMS & COLLABORATION

IP telephone, virtual IP PBX, OnCall, SMS service, telepresence, voice and video conferencing. The first landline telephone service in Vietnam operating via one connection.



## SECURITY SERVICES

Cyber Security Services Provider: Anti-DDOS, PENTEST, WAF, INCIDENT RESPONSE, SOC.



## Wi-Fi SOLUTIONS

Partner with UniFi, Cisco, Aruba, Huawei, Dell Aerohive.



## VIDEO CONFERENCE & IP CAMERA

The first and only Vidyo & OnMeeting services provider officially authorized in Vietnam provides communication technology software and visual communication products.

Cloud camera with cloud technology, customers can easily access their IP Cameras via Internet.

# FPT FORNIX HN02

More than 30,000 dedicated servers of different kinds from famous brands such as DELL, HPE, IBM, etc, continuously and smoothly running during all these years. Our experienced team constantly monitor the system and has comprehensive knowledge of any possible issues in operating the data center.

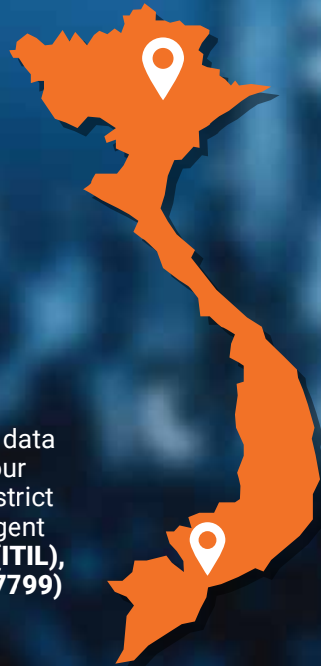


## THE FIRST DATA CENTER

in Vietnam to achieve the US-based Uptime Institute's TIA 942 standard.



We provide the highest level of data security and availability for our Customers by complying with strict standards and adopting stringent framework such as **ISO 20000 (ITIL), Uptime Tier III, ISO 27001 (BS7799) and ISO 9001:2000.**



## 4 Data Centers

3 operating data centers and 1 data center under construction in Ho Chi Minh City

The available capacity (excluding FPT Fornix HCM02 Data Center (District 9, HCMC) is 1000 racks

With a full range of data center management and operation certificates, strict compliance with all international standards and the launch of two new data centers, FPT Telecom will become the largest data center services provider in Vietnam in 2020, striving towards becoming the only data center in Vietnam to provide its customers with the 5-star excellence quality services.

Our data centers are conveniently located in Hanoi and Ho Chi Minh City to facilitate the needs and meet high requirements and expectations of our customers: government agencies and financial institutions, companies and organizations including large enterprises, SMBs and startups.

### CURRENTLY OPERATING

- 📍 FPT Duy Tan Data Center, Hanoi
- 📍 FPT Tan Thuan Data Center, District 7, HCMC
- 📍 FPT Fornix HN02 Data Center, Hanoi

### COMING SOON

- 📍 FPT District 9 Data Center, HCMC



FROST & SULLIVAN

FPT TELECOM  
Receives Frost & Sullivan's  
VIETNAM DATA CENTER  
SERVICES PROVIDER OF THE YEAR AWARD



## 2019 Vietnam Data Center Services Provider of the Year

FPT Telecom "2019 Vietnam Data Center Services Provider of the Year" recognized by Frost & Sullivan based on 6 criteria: **financial performance, best practice, ability to meet customer needs, brand transparency, influence, price and performance rating.**

# FPT FORNIX HN02

📍 10 Pham Van Bach, Cau Giay District, Hanoi



## FPT FORNIX HN02

- Data center building with 8 floors
- Construction area of 1221 m2/floor
- Capacity 1500 standard racks

## THE FIRST-CLASS DATA CENTER WITH:

- › International standard Data Center
- › Modern technology
- › The highest level of operation and quality management
- › Robust information system and data security
- › Sustainability and compliance with the energy management standard
- › Reliability of mission-critical systems and enterprise-grade infrastructure
- › Improved performance, efficiency and power consumption
- › Diverse telecommunications
- › Internet, Cloud and Data services and solutions
- › Flexible payment solutions
- › Highly qualified team of experts
- › Certified local support 24/7/365



FPT FORNIX Data Center in Hanoi is built to comply with the high international standards, evaluated by the prestigious organizations in the field of data centers.

Uptime Tier III Constructed Facility;  
ISO 9001:2015; ISO 50001:2011; ISO 27001:2013; ISO 27017:2015, etc.

All details are designed, built and operated with the execution and close supervision of high-level experts to bring superior customer experience and unsurpassed quality of service.

## IT'S ONLY



40 minutes from Nội Bài International Airport



9 kilometers from the city center



Convenient to access by public transportation systems, taxi and private transport.



# FPT FORNIX HN02

6-layer security and access control system with physical protection measures and digital safeguards to ensure customers' systems are operated under strict security environment.



The engine room with the ability to provide flexible parameters from the power supply capacity, the ability to adjust cooling capacity by the area, cage compartment and dedicated surveillance camera according to customer needs.

## Network infrastructure and transmission

- › Well-developed strong infrastructure and millions of Internet Broadband users.
- › North / South backbone with the total 13.6 Tbps bandwidth with the gateway in Hanoi and HCMC Data Centers.
- › >3000 Gbps QT bandwidth through undersea and land cables.
- › Direct connection to Global Cloud Services Providers, such as Google, AWS, etc.
- › Transmission to data center connectivity via 2 meet-me-room and 2 independent directions.



Power and cooling system are the two most important factors in data center infrastructure.



Providing services with reasonable prices and optimal operating costs.



A team of qualified experts is operating thoroughly and consistently.

# FPT FORNIX HN02

Specifications	
Location	<ul style="list-style-type: none"> <li>. The data center is located in the business district and 20 mins away from city centre by car</li> <li>. Hanoi's Noi Bai international airport is 45 minutes away by car.</li> </ul>
Building overview	<ul style="list-style-type: none"> <li>. FPT Telecom owns the freehold</li> <li>. Purpose built</li> <li>. Meets Uptime Tier III standards</li> <li>. 10,000 sqm of gross space</li> <li>. 6 data floors</li> <li>. Flexible IT space with ability to create bespoke environments as required</li> </ul>
Main structure Features	<ul style="list-style-type: none"> <li>. Concrete framed</li> <li>. 4.4m of Slab-to-slab height</li> <li>. Raised floor height of 600mm</li> <li>. Floor loading of 15kN/m2</li> <li>. 2 passenger lifts, 1 cargo lift</li> </ul>
Power	<ul style="list-style-type: none"> <li>. 10kV utility supply with N+1 redundancy</li> <li>. Mechanical systems backed up by standby generator system with N+1 redundancy</li> <li>. Fully diverse power distribution to technical areas</li> <li>. On-site fuel storage to support 24 hours at full capacity with 24x7x365 fuel delivery</li> </ul>
Cooling	<ul style="list-style-type: none"> <li>. UPS module and battery system housed in a separate room with air conditioner to control temperature; N +1 redundancy</li> <li>. Precision Air – conditioning</li> <li>. Temperature: 22oC ± 2oC</li> <li>. Humidity: 50% ± 10%</li> </ul>
Security	<ul style="list-style-type: none"> <li>. Operations Centre manned 24x7x365</li> <li>. Security guard patrols 24x7x365</li> <li>. Continuous CCTV surveillance of external and internal areas</li> <li>. Comprehensive intruder detection and alarms to all areas</li> <li>. Perimeter Intrusion Detection system (PIDs)</li> <li>. Strict access control procedures to ISO 27001</li> <li>. Access control using proximity card readers and biometric systems</li> <li>. Physical access via mantrap</li> <li>. Secure managed delivery and loading area available 24x7x365</li> </ul>
Connectivity	<ul style="list-style-type: none"> <li>. Carrier Neutral</li> <li>. Network dense with access to multiple global and regional carriers and Internet service providers offering: Ethernet, MPLS, VPLS, IP Transit, Peering, CDN, Storage, Virtualized Services (SDN), Voice and Mobile Services</li> <li>. Access to multiple cloud services through leading public, private and hybrid cloud solution providers</li> <li>. 2 dedicated Meet Me Rooms</li> <li>. 2 diverse building entry points</li> <li>. Diverse cable routes and pathways</li> <li>. Dedicated fibre system interconnecting between Fornix HN01 and Fornix HN02</li> <li>. Roof space availability for satellite and antennae equipment</li> <li>. FPT Telecom present</li> </ul>
Fire Detection and Suppression	<ul style="list-style-type: none"> <li>. Fully addressable fire detection system in all areas</li> <li>. Aspirated early warning smoke detection system (monitored 24x7x365)</li> <li>. FM200 gas suppression system in technical areas.</li> </ul>
Critical Environments Management	<ul style="list-style-type: none"> <li>. Experienced 24x7x365 facilities management team</li> <li>. Environmental (thermal conditions) monitored 24x7x365</li> <li>. All Building Management Systems (BMS) monitored 24x7x365</li> <li>. Comprehensive energy-metering system.</li> </ul>
Other Services	<ul style="list-style-type: none"> <li>. Cross connects</li> <li>. Customer reports</li> <li>. Deliveries and storage</li> <li>. Design and build</li> <li>. Fit-out</li> <li>. On-site facilities</li> <li>. Remote hands</li> <li>. Technical cleaning and waste disposal</li> </ul>

# CONTACT



## FPT INTERNATIONAL TELECOM

### SOUTH

#### HO CHI MINH CITY HEADQUARTER

Address: FPT Building, L.29B-31B-33B Tan Thuan Street, Tan Thuan EPZ, Tan Thuan Dong Ward, District 7.

### NORTH

#### HANOI BRANCH

Address: 18th Floor, FPT Tower, 10 Pham Van Bach, Cau Giay District, Hanoi.

### CENTRAL REGION

#### DA NANG REPRESENTATIVE OFFICE

Address: Room 4F, 4th Floor, Ricco Building, 363 Nguyen Huu Tho Street, Cam Le District, Da Nang.



# FORNIX



(+84) 92 547 66 66

[fornix.fpt.work](http://fornix.fpt.work)

<https://fpt.vn/en/business>

[fti.support@fpt.com.vn](mailto:fti.support@fpt.com.vn)