

QNAP

ADRA-NDR

Your intranet threat monitor
and analyzer



What is ADRA NDR?
Is it a Firewall? Switch?
Or others?

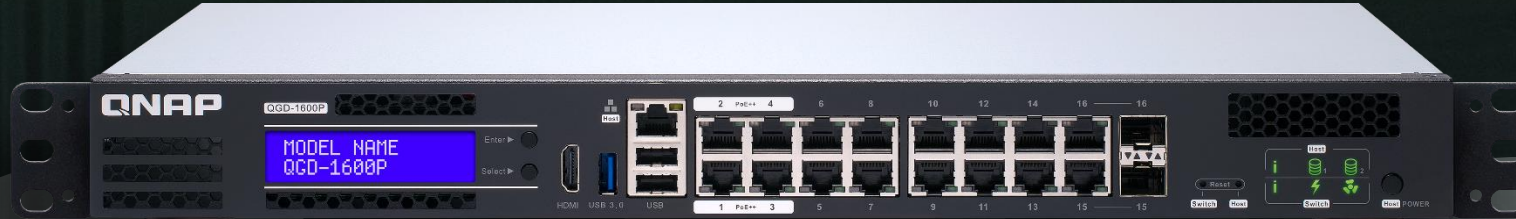


ADRA
NDR



ADRA NDR is a smart edge switch with security functions inside

ADRA NDR



Adaptive Threat Detection

Threat Watch
Threat Trap

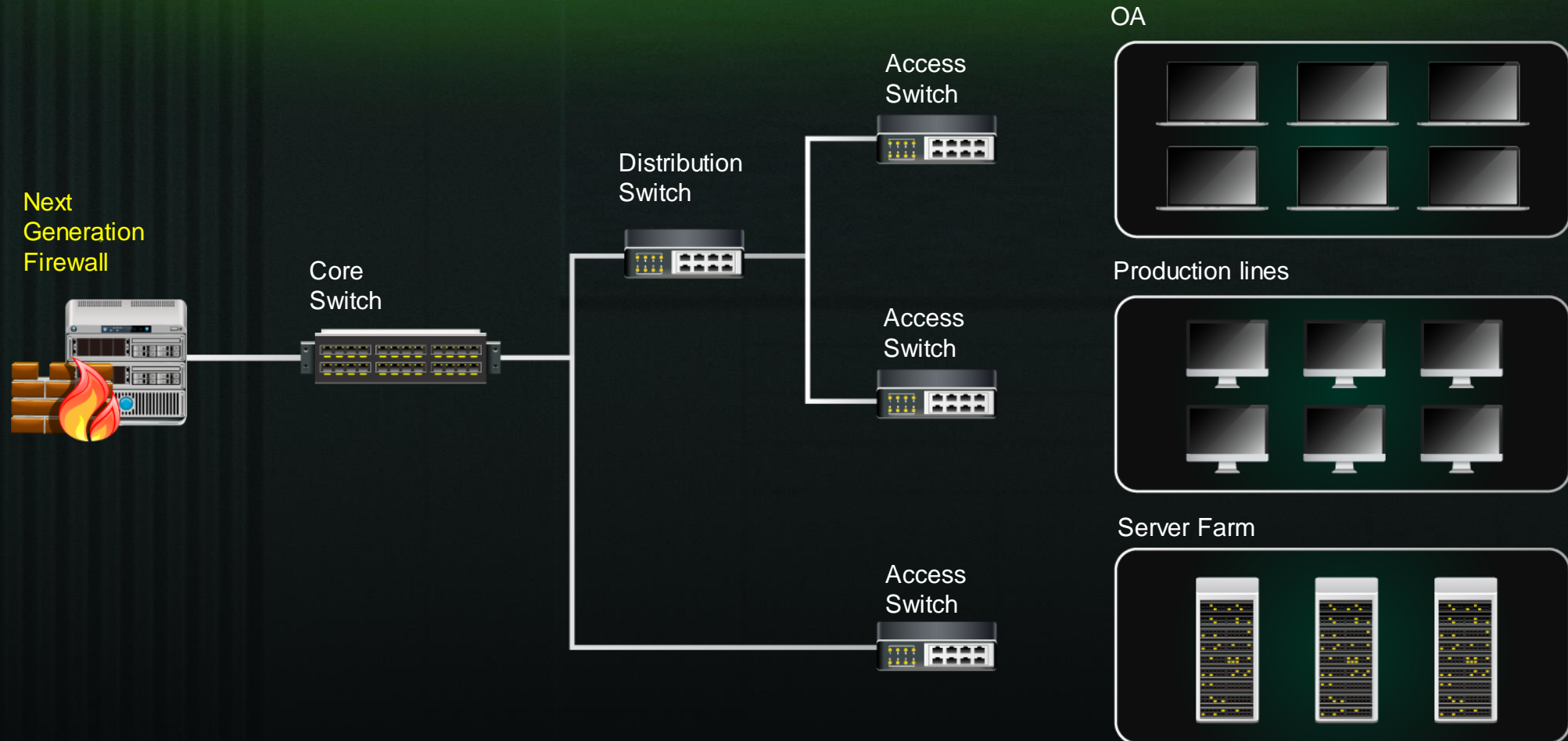
Real-time Threat Analysis

Correlation Analysis
Deep Threat Analysis

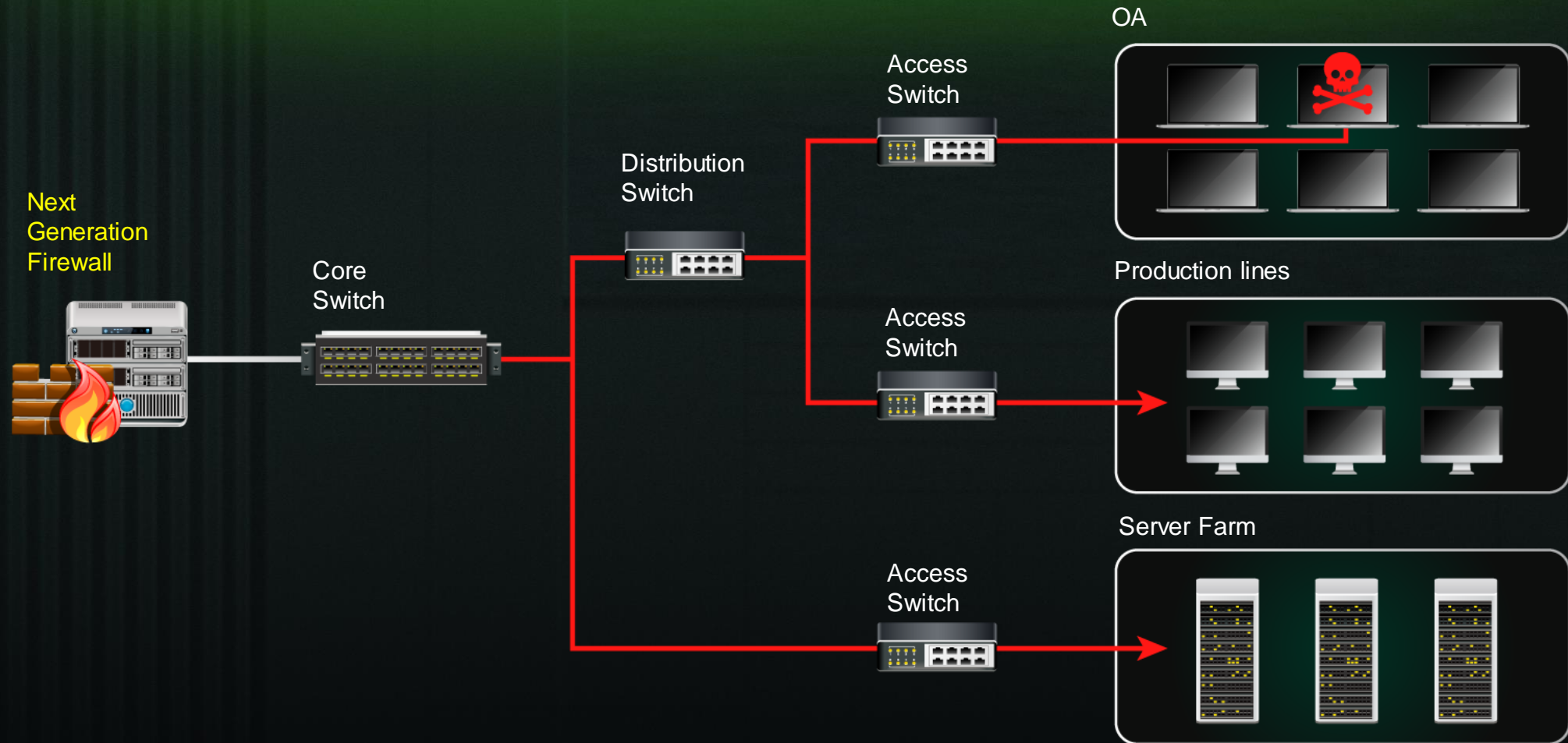
Isolation Response

Access Switch
Isolate Victims/Zone
Risk Management

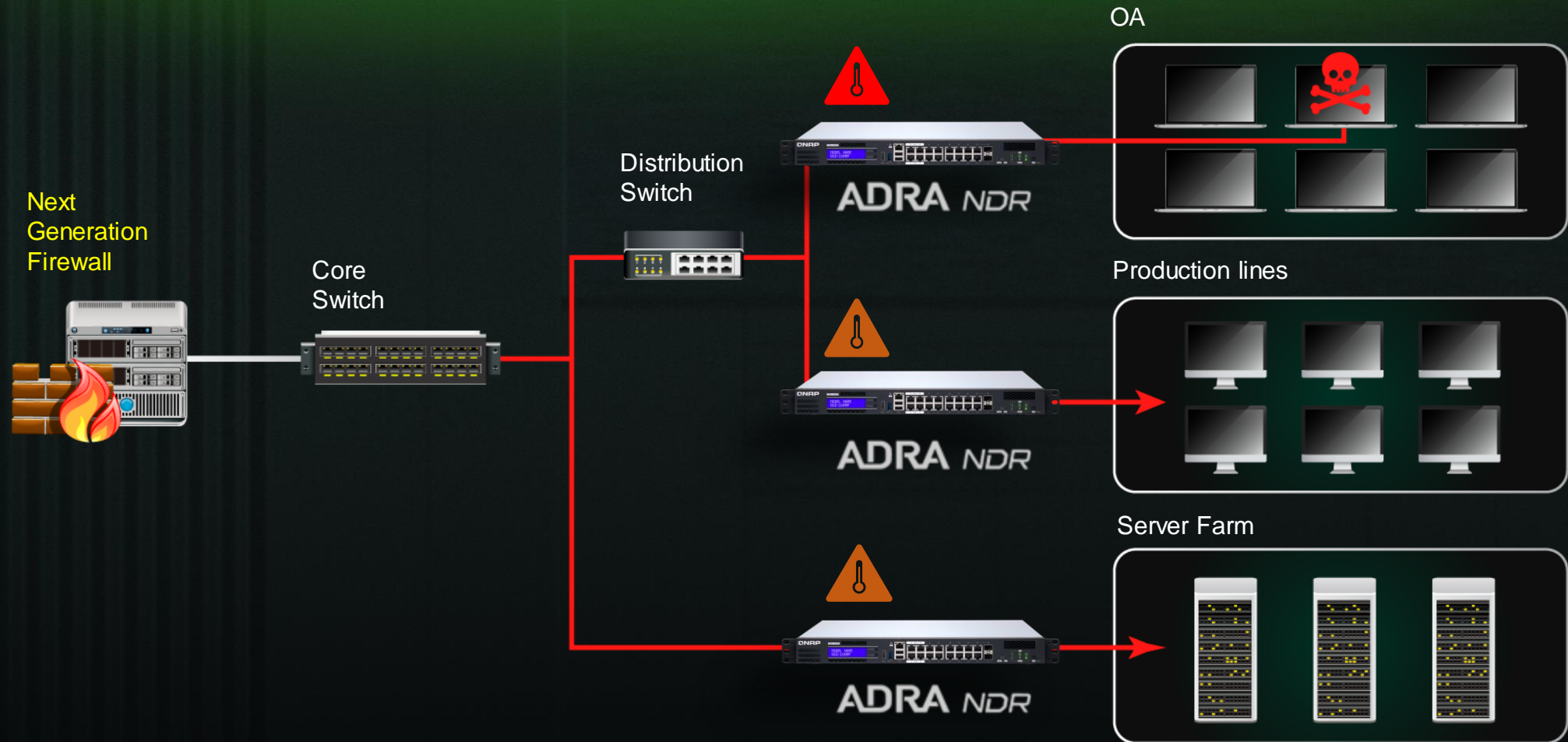
Typical Enterprise network topology



It is hard to detect threat at intranet



Solution diagram



Target market
and customers' pain point



ADRA
NDR



Target customers

Small Business corporations are the most **weakness** in defending targeted ransomware attacks

Enterprise

5.000+ devices

Mid Enterprise

1.000 – 5.000 devices

Medium business

250 – 1.000 devices

Small Business

10 – 250 devices

Consumer

Why SB needs ADRA?

Lack of resources

budget, security analytics,
defense concept

Typical NAS users

It is easy to become a target for
physical storage

Full of Legacy systems

Vulnerable systems

Easy meal on the chopping block

Easy money for attackers

Product Model

Selection	10– 50 devices	30 – 80 devices	60 – 110 devices
Global Model name (multi-OS)	QGD-1600P	QGD-1602P-C3558-8G	QGD-1602P-C3758-16G
License (ADRA NDR)	Global: 1 year / 3 years	Global: 1 year / 3 years	Global: 1 year / 3 years
CPU/RAM	Intel Celeron 4C / 4GB	Intel Atom 4C / 8GB	Intel Atom 8C / 16G
Disk(manual added)	2 x 2.5" SATA Slot	2 x M.2 NVMe 2280 or 2 x 2.5" SATA slot	2 x M.2 NVMe 2280 or 2 x 2.5" SATA slot
Switch	14 x 1GbE RJ45 + 2 x Combo(RJ45&SFP) 1GbE	8 x 2.5GbE RJ45 8 x 1GbE RJ45 2 x 10GbE SFP+	8 x 2.5GbE RJ45 8 x 1GbE RJ45 2 x 10GbE SFP+
PoE	Yes	Yes	Yes
Management Port	1 x 1GbE RJ45	2 x 5GbE 2 x 1GbE	2 x 5GbE 2 x 1GbE

Suggestion to number of clients based on deploy scenario

Scenario	Usual web browse for office usage	Web browse(75%) + High bandwidth loading devices(25%)	High bandwidth loading devices	Suggest number of Traps on QGD
QGD-1600P	50	30	10	1-2
QGD-1602P-C3558-8G	80	60	30	3-6
QGD-1602P-C3758-8G	110	90	60	6-8

Note: The traps setup on QGD need to be counted one of the high loading device in your networking

Cybersecurity 101 for targeted attacks



ADRA
NDR



Discovery & Lateral movement

**The first
compromise
device**

**No network
security in the
Intranet**

**Huge damage in
the cyber incident**

1

Discover your intranet

Lateral movement for exploit

All

Day 0

Day 7 ~ 30

Day 30 ~ 180

Incident

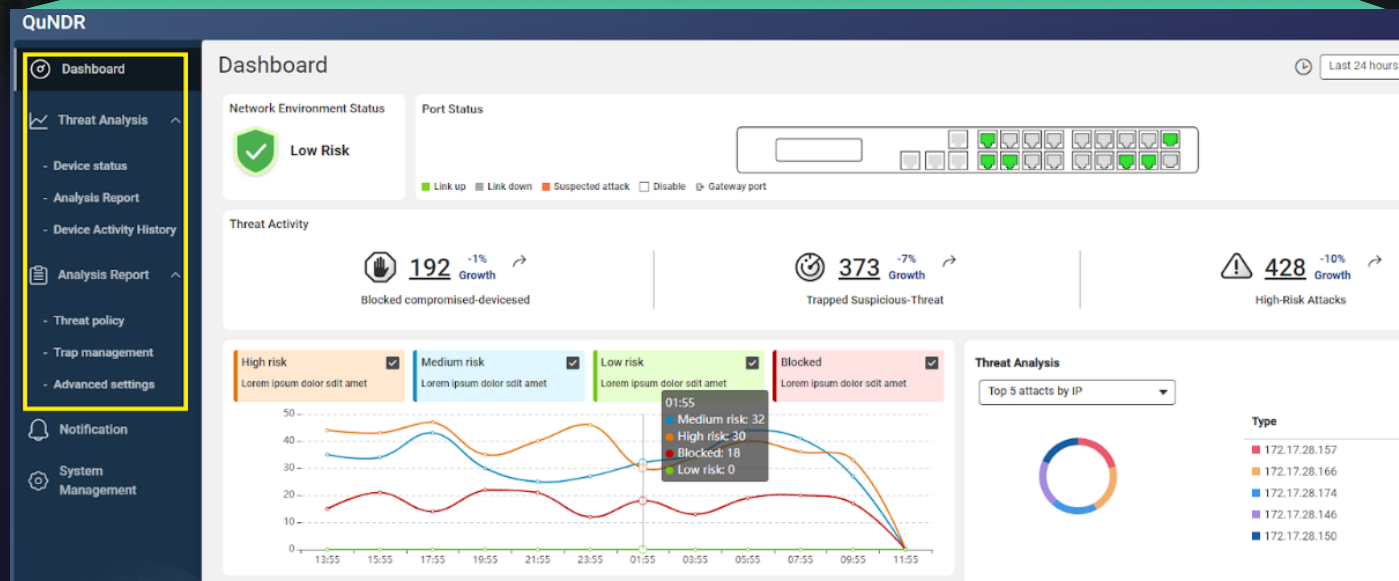
Product and technology



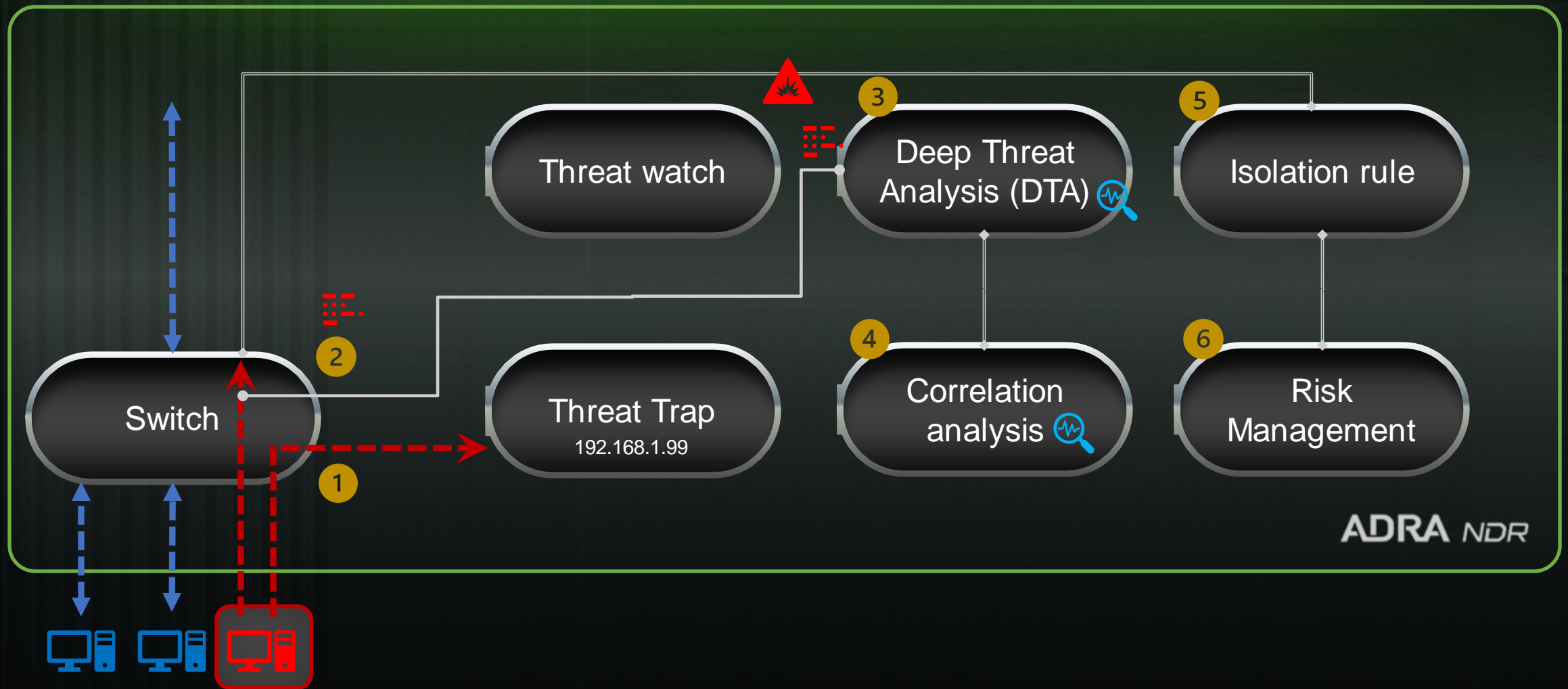
ADRA
NDR



Innovation: Threat Trap (Active defense)



Detection & Analytics technologies



How to turn QGD
into ADRA



ADRA
NDR



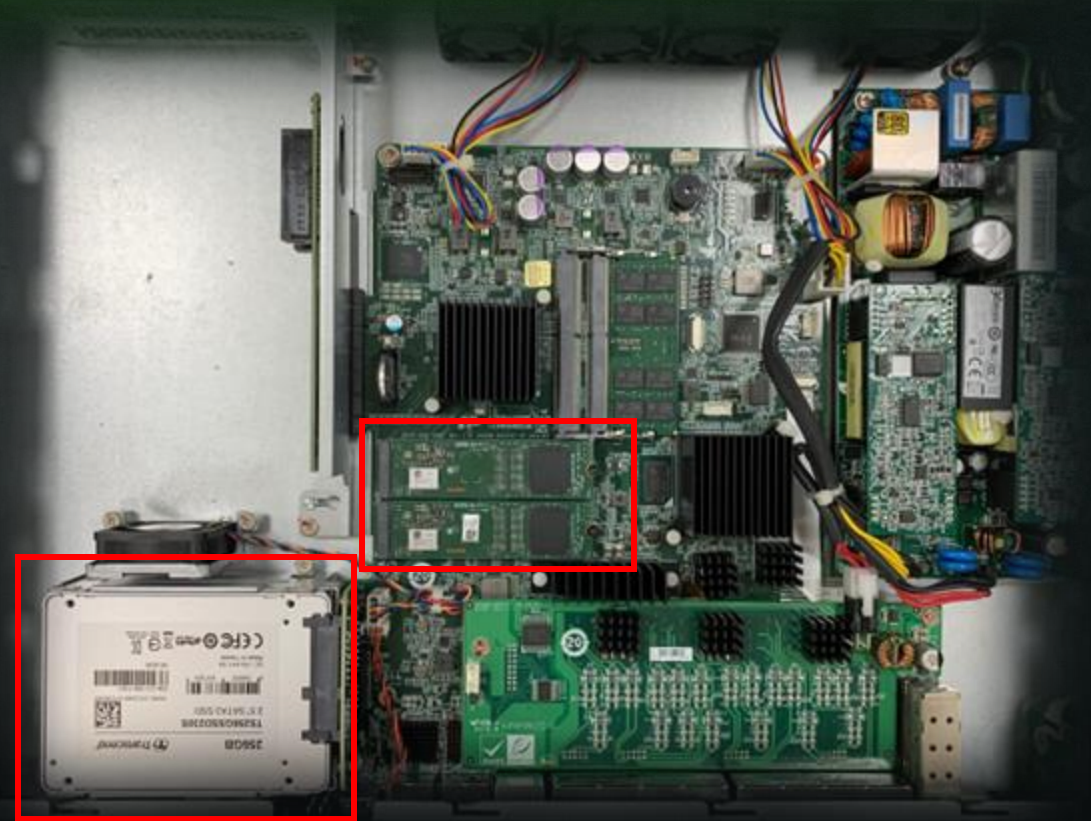
Install M.2/2.5" SSD

QGD-1600P

- Installed w/ 2.5" SSD (1-2 pcs)
- Minimum requirement is 256GB 2.5"SSD

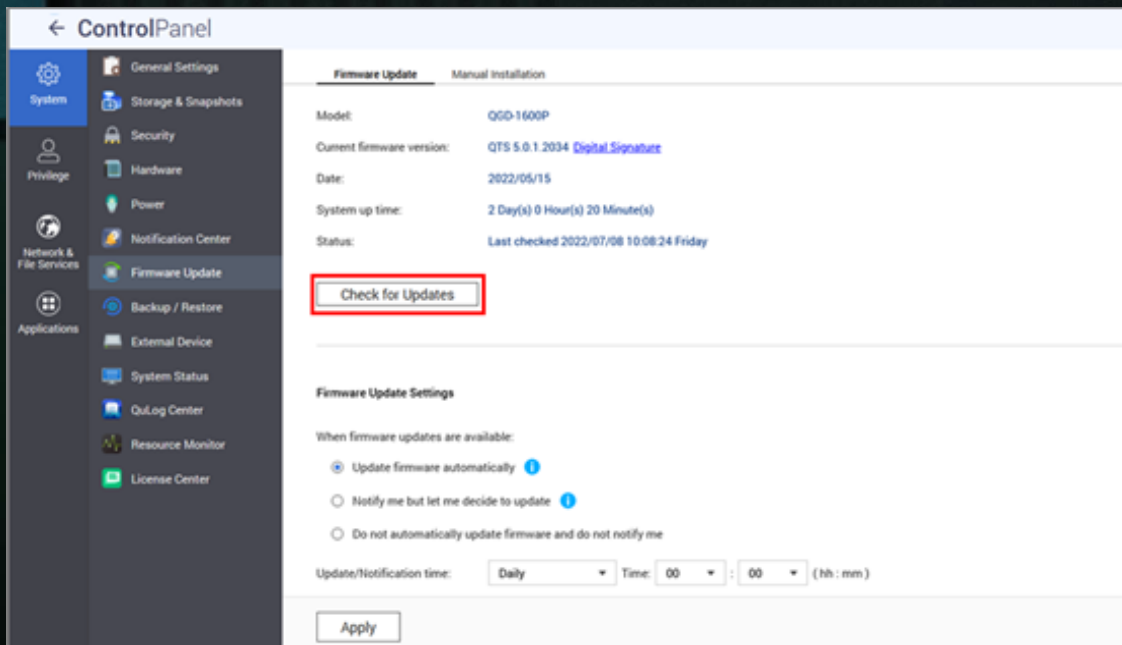
QGD-1602P

- Installed w/ M.2 SSD (1-2 pcs) and 2.5" SSD(1-2 pcs)
- Minimum requirements are 128GB M.2 SSD and 256GB 2.5"SSD



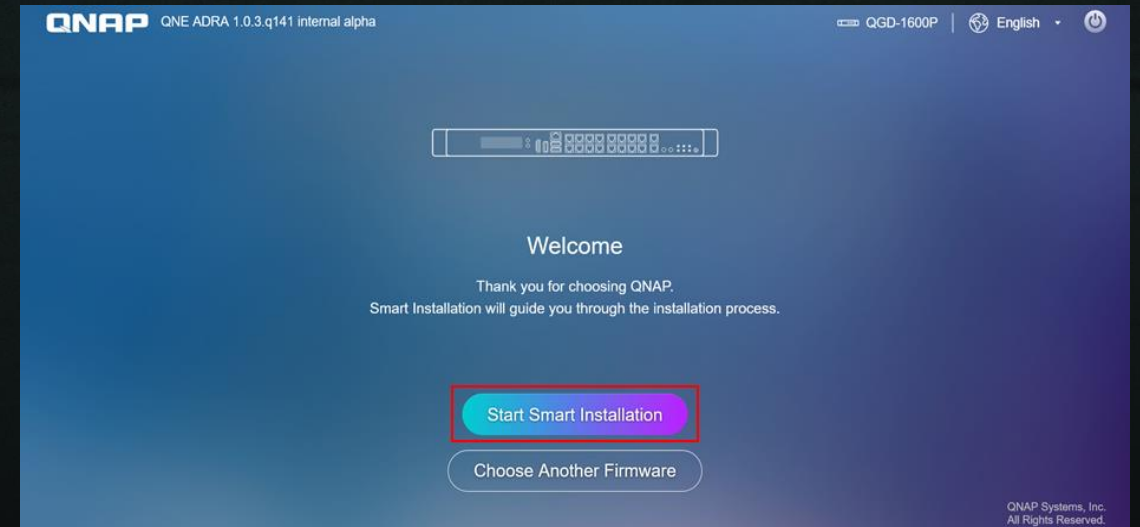
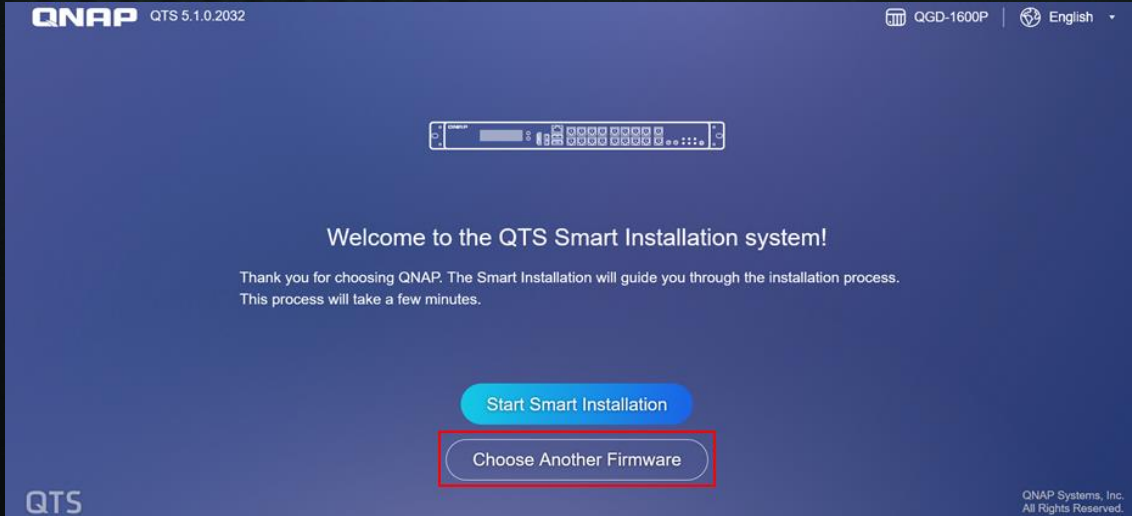
Update QTS FW to dual image version

- Login to QGD
- Go to FW Live update page
- Make sure QTS up to date



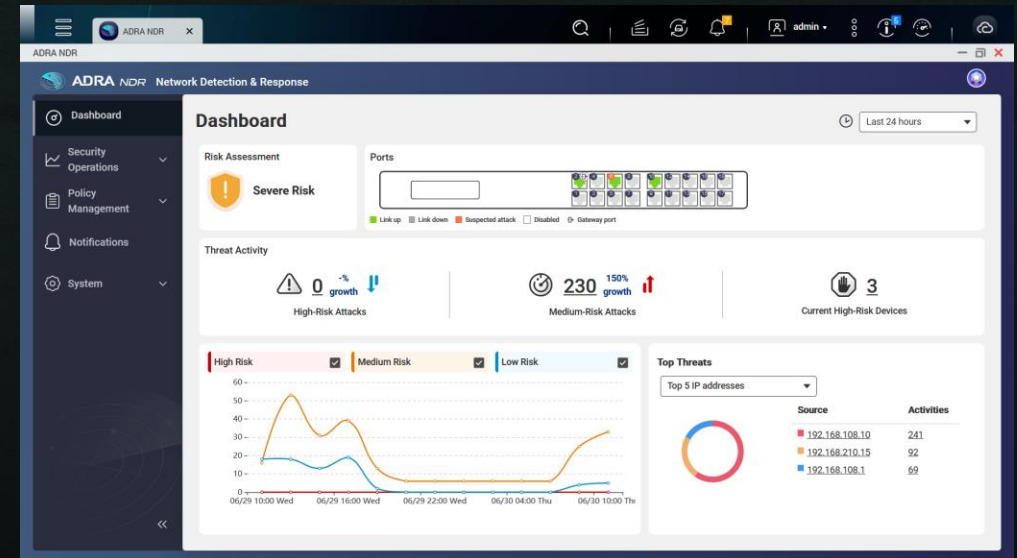
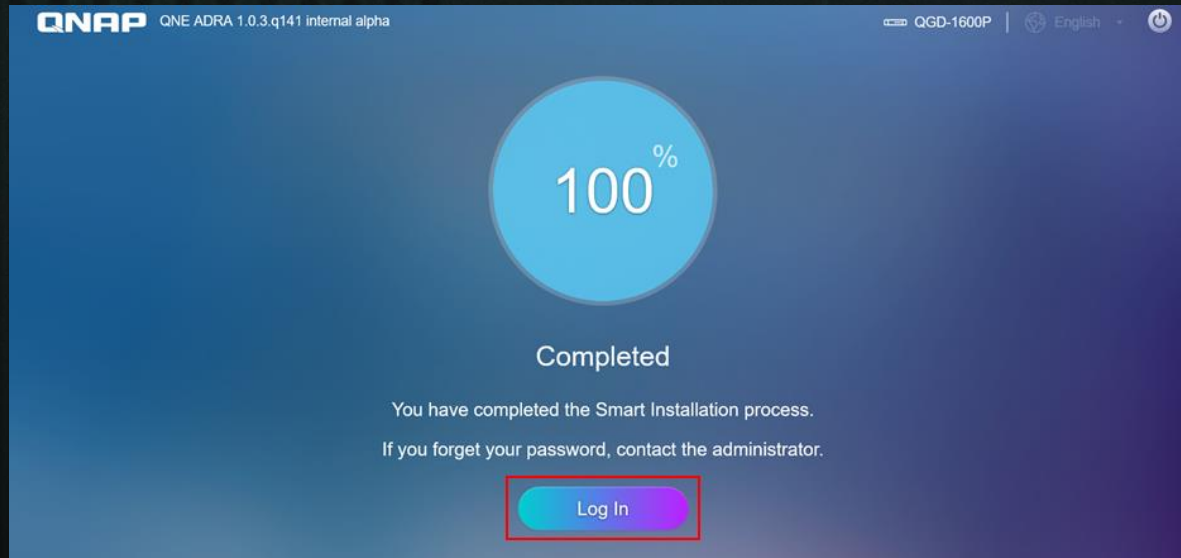
Change to QNE ADRA Firmware

- Reset QGD
- Power on QGD, device will ask for which OS you like to used
- Default is QTS for QGD, click “Choose Another Firmware for firmware change



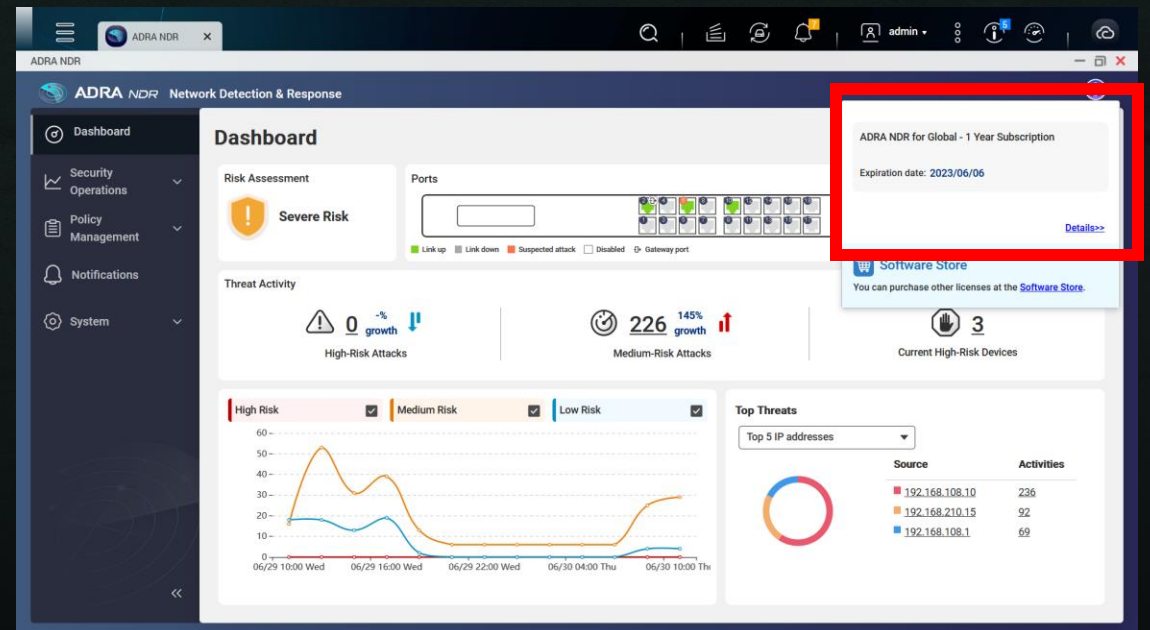
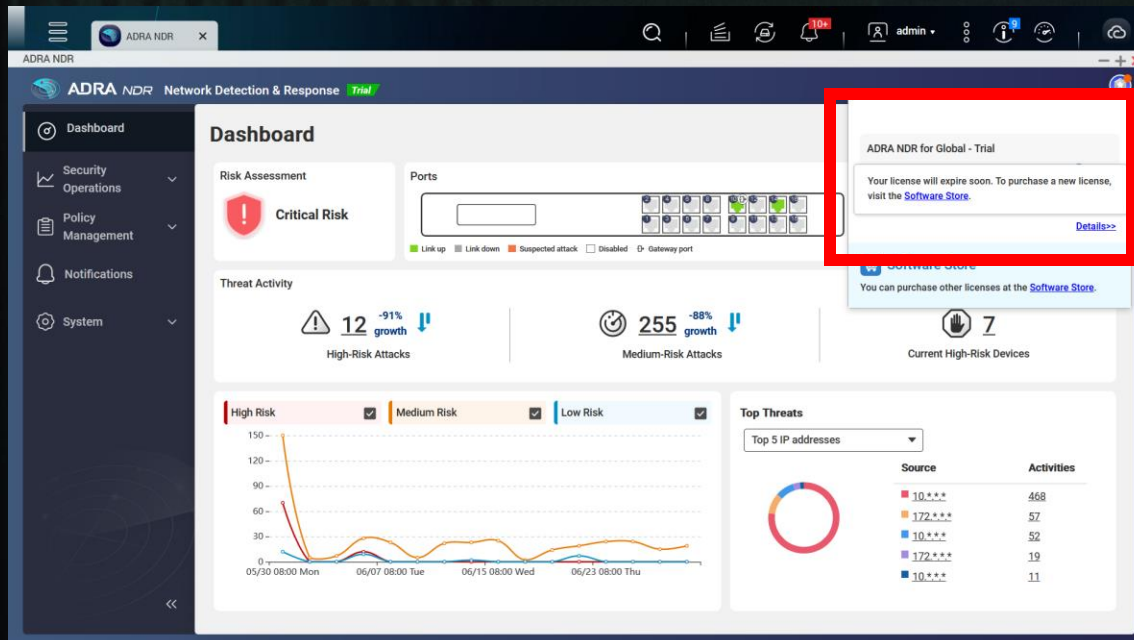
Finish FW flow access to ADRA NDR

- It will display login page once you finish the FW installation
- You can login for accessing ADRA NDR function page



Purchase license

By default, ADRA NDR has 30 days trial license, you need to purchase standard license to have full functions working



Differences between Trail and Subscription license



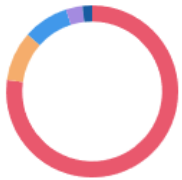
ADRA
NDR



ADRA is only display limit information for Trail

Top Threats

Top 5 IP addresses ▼



Source

Activities

10.***	469
172.***	57
10.***	52
172.***	19
10.***	11

Unrevealed device info including Hostname, Source IP, Source MAC, Destination IP are masked.

Risk Management

Total devices:58 ↺

Take Action

Delete

<input type="checkbox"/>	Added ↓	Updated ↑	Source IP ↑	Source MAC ↑	Hostname	Risk	Status
<input type="checkbox"/>	2022/06/28 11:01:29	2022/06/28 11:17:17	10.***			Medium	Normal Scan

Threat Analysis

Total entries:40 ↺



Specify keywords







No grouping

Last 24 h




Time ↓	Trigger	Risk ↓	Hostname ↓	Source IP ↓	Source MAC ↓	Destination IP ↓	Details
2022/06/30 15:22:48	Security operation			10.***	-	-	10.*** placed under Normal Scan by the system.

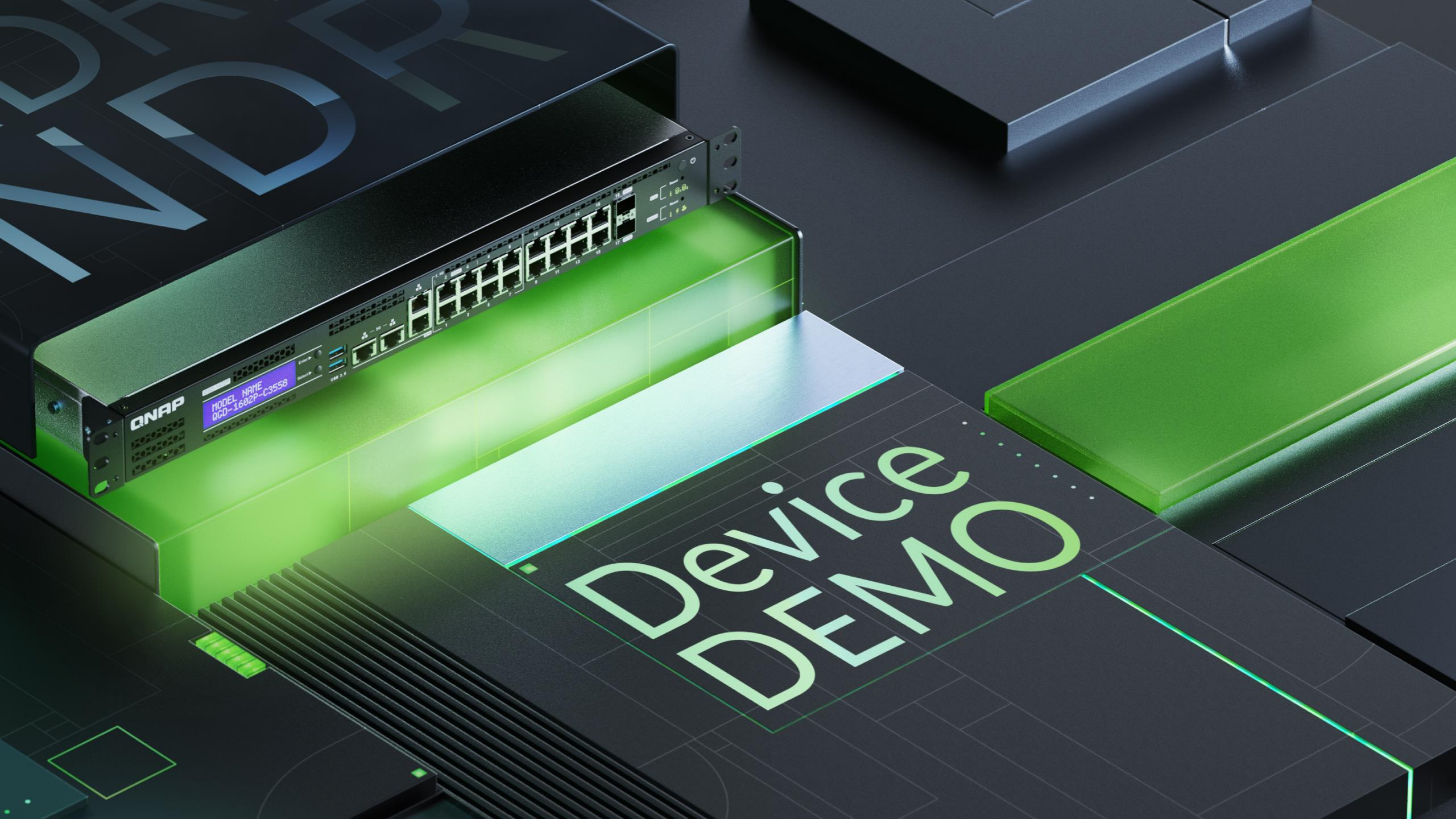
Limit function usage

Part of operation in Risk Management, Threat Analysis and Rules are disable.

Risk Management										
Total devices:58		Take Action		Delete		Specify keywords				
<input type="checkbox"/>	Added ↓	Updated ↑	Source IP ↑	Source MAC ↑	Hostname	Risk	Status	Rule	Comment	Records
<input type="checkbox"/>	2022/06/28 11:01:29	2022/06/28 11:17:17	10.*.*			Medium	Normal Scan			 
<input type="checkbox"/>	2022/06/28 03:00:05	2022/06/28 03:15:07	8.*.*			Medium	Normal Scan	Default Policy		 

Threat Analysis								
Total entries:40		Specify keywords		No grouping		Last 24 hours		
Time ↓	Trigger	Risk ↓	Hostname ↓	Source IP ↓	Source MAC ↓	Destination IP ↓	Details	Exclude
2022/06/30 15:22:48	Security operation			10.*.*	-	-	10.*.* placed under Normal Scan by the system.	

Rules						
If all rules are disabled, a system-wide Risk Inform policy is adopted by default, which means you will only be informed of risk events in Analysis Report.						+ Add Rule
Priority	Name	Source	Protection Policy	On/Off	Action	
⋮	test	All	Strict Protection Auto-quarantine all potential attacks.	<input type="checkbox"/>	  	



QNAP

MODEL NAME
QGD-1602P-C3558

USB 3.0

Device
DEMO

The QNAP logo is displayed in a bold, white, sans-serif font in the upper left corner of the image. The background is a dark, high-tech illustration featuring a circuit board with various components like RAM modules, SSDs, and network cards, all highlighted with vibrant green and blue light effects. A large, semi-transparent 'ADRA NDR' watermark is visible in the center-right area, and a glowing green shield icon is located in the bottom right corner.

QNAP

QNAP Product

is your best choice