QUANTUM®
N E T W O R K S

SYSTEM UPGRADES
REFERENCE DETAIL

Wi-Fi   Switches   Gateways   Q-Services

SYSTEM UPGRADES FOR QN-SW-225

PART NUMBER	DESCRIPTION	
QN-225-2DSPU	System upgrades to add additional 2x10G SFP+ uplink/dedicated stacking ports for QN-SW-225 series 24 port and 48 port switches.	
	Parameters	**Upgraded Values**
	Forwarding Capacity	Enables delivery of additional 29.76 Mpps of forwarding capacity
	Switching Capacity	Enables delivery of additional 40 Gbps of switching capacity
QN-225-4DSPU	System upgrades to add additional 4x10G SFP+ uplink/dedicated stacking ports for QN-SW-225 series 24 port and 48 port switches.	
	Parameters	**Upgraded Values**
	Forwarding Capacity	Enables delivery of additional 59.52 Mpps of forwarding capacity
	Switching Capacity	Enables delivery of additional 80 Gbps of switching capacity
NETWORKING SCALE UPGRADE		
QN-225-NSU2	System upgrade for networking scale level 2.	
	Parameters	Upgraded Values
	RAM	2 GB
	Flash	2 GB
	MAC Scale Table	32K MAC Address
	Packet Buffer	6 MB
	ACL	3K
	BGP	Yes
	ERPS	Yes
	IPv4 Routes	11K
	IPv6 Routes	2.8K
	IGMP groups	1K
	ARP	3K
	DHCP Snooping Binding	1K
	SVI	1024

SYSTEM UPGRADES FOR QN-SW-230

PART NUMBER	DESCRIPTION	
QN-230-2DSPU	System upgrades to add additional 2x10G SFP+ uplink/dedicated stacking ports.	
	Parameters	**Upgraded Values**
	Forwarding Capacity	Enables delivery of additional 29.76 Mpps of forwarding capacity
	Switching Capacity	Enables delivery of additional 40 Gbps of switching capacity
QN-230-4DSPU	System upgrades to add additional 4x10G SFP+ uplink/dedicated stacking ports.	
	Parameters	**Upgraded Values**
	Forwarding Capacity	Enables delivery of additional 59.52 Mpps of forwarding capacity
	Switching Capacity	Enables delivery of additional 80 Gbps of switching capacity

HIGH RESILIENCY UPGRADE

QN-230-48FPHSR	System upgrade for Hot Swappable Resiliency includes Hot Swappable Power Supplies and Hot Swappable Fans for QN-SW-230-48FP.
QN-230-48PHSR	System upgrade for Hot Swappable Resiliency includes Hot Swappable Power Supplies and Hot Swappable Fans for QN-SW-230-48P.
QN-230-48HSR	System upgrade for Hot Swappable Resiliency includes Hot Swappable Power Supplies and Hot Swappable Fans for QN-SW-230-48.
QN-230-48HSP	System upgrade for Hot Swappable Resiliency includes Hot Swappable Power Supplies for QN-SW-230-48.
QN-230-24FPHSR	System upgrade for Hot Swappable Resiliency includes Hot Swappable Power Supplies and Hot Swappable Fans for QN-SW-230-24FP.
QN-230-24PHSR	System upgrade for Hot Swappable Resiliency includes Hot Swappable Power Supplies and Hot Swappable Fans for QN-SW-230-24P.
QN-230-24HSR	System upgrade for Hot Swappable Resiliency includes Hot Swappable Power Supplies and Hot Swappable Fans for QN-SW-230-24.
QN-230-24HSP	System upgrade for Hot Swappable Resiliency includes Hot Swappable Power Supplies for QN-SW-230-24.

SECURITY SCALE UPGRADE

QN-230-SEC-U	System upgrade for enabling MACsec.

NETWORKING SCALE UPGRADE

	Parameters	Upgraded Values
	System upgrade for networking scale level 1.	
QN-230-NSU1	MAC Scale Table	16k
	Packet Buffer	3MB
	ACL	1500
	IPv4 Routes	480
	IPv6 Routes	120
	IGMP groups	1k
	ARP	480

	DHCP Snooping Binding	1024
	SVI	220
QN-230-NSU2	System upgrade for networking scale level 2.	
	Parameters	Upgraded Values
	RAM	2 GB
	Flash	2 GB
	MAC Scale Table	32K MAC Address
	Packet Buffer	6 MB
	ACL	3K
	BGP	Yes
	ERPS	Yes
	IPv4 Routes	11K
	IPv6 Routes	2.8K
	IGMP groups	1K
	ARP	3K
	DHCP Snooping Binding	1K
	SVI	1024

Note:
- o   System upgrades are supported exclusively on 24-port and 48-port switches in both the 225 and 230 series.
- o   QN-225/230-NSU2 system upgrade part code is included by default with QN-225/230-2DSPU and QN-225/230-4DSPU system upgrade license. (No separate purchase required.)