

## Affordable Bandwidth Management, High Performance and Feature-Rich

PacketController represents the new generation of bandwidth management in policy enforcement. It provides all the features you need to control the amount of bandwidth with stunning performance.

The PacketController X40 is the high-end appliance for both 10G and 40G networks with available license at 20Gbps and 40Gbps and provides a cost-effective yet powerful solution for large size businesses and enterprises.



### Hardware Platform Specification

<b>Performance</b>	
<b>License (Full Duplex)</b>	20Gbps/40Gbps
<b>Number of Connections</b>	20,000,000
<b>Number of Subscribers</b>	200,000
<b>Network Interface</b>	
<b>Gigabit Copper</b>	0
<b>Gigabit Fiber</b>	0
<b>10GE Fiber</b>	2
<b>40GE Fiber</b>	2 (Optional)
<b>Management Copper</b>	2
<b>Hardware Specification</b>	
<b>Processor</b>	MIPS
<b>Memory (ECC RAM)</b>	64GB
<b>Storage</b>	1TB SSD
<b>ASIC Hardware</b>	Yes
<b>Dimensions(W x D x H)</b>	430mm (W) x 509mm (D) x 88mm (H)
<b>Rack Units (Mountable)</b>	2U
<b>Unit Weight</b>	10 kgs
<b>Power Supply</b>	2U Redundant 500W
<b>Heat in BTU/hour</b>	2200
<b>Operating Ranges</b>	Temperature 0° - 40° C   Humidity 10% - 85%

## *Bandwidth Management*

Customizable DPI engine  
Automated scaling up/down  
Automated pacing  
Usage pattern adaptive  
Web cache integration  
TCP rate limiting  
TCP optimization  
Asymmetrical Burst  
Packet classification

- IP Address
- Port
- VLAN
- Priority
- Protocol
- Website
- URL
- MAC Address
- MAC Protocol
- ToS

Dynamic Policy

## *Network Visibility*

Real time network snapshot  
Active connections  
Protocol Usage  
Port throughput/pps/packets/drops  
Hosts GEO Location  
Real time and long terms throughput

## *Networking*

Layer 2 bridging  
One Bridge Multiple Members Mode  
Multiple Bridges Multiple Members Mode  
Built-in failover/bypass  
External bypass switch support

## *Subscriber Management*

Flexible plans

- Service plan
- Time plan
- Quota plan
- Application plan

Group/Bandwidth Pool

- Regular static group/pool
- Contention ratio group/pool

Self-service portal  
URL filtering per subscriber  
Real time and long-term stats/graph per subscriber

## *Administration*

Web User Interface  
Comprehensive Reports and Logs  
Role Based Management  
Automated report mail delivery