

# Packet Controller Datasheets

## Packet Controller 600 Platform

### Traffic Management

Deep Packet Inspection  
Prioritize Applications  
Burst Management  
Manage all popular P2P

### Scalable Product Line

Packet Controller is available in 5 models in a range of uplink from 2Mb/s to 40Gb/s. The same model is built on the same hardware.

### Integration API

Packet Controller is designed to integrate with other systems on the network:  
Billing System  
Web Cache System  
Provide Database interface and API



Packet Controller is a turnkey platform that will allow you limit, monitor, priorities the IP Traffic by IP address, VLAN and application. It is unique with the flexibility and scalability of our system and we enable you to get the superior performance out of the network.

Packet Controller 600 Platform is shipped as 4U rack mounted switch and deployed transparently on your network, it delivers comprehensive bandwidth management and failover in one unit with net neutrality methodology that is easier to manage and adapt as business and technology need change. It is the most cost effective bandwidth management in the market.

- 4 10G(SFP+) ports or 8 10G(SFP+) or 2 40G and 10 Gigabit ports
- Connections: 15,000,000
- Subscribers: 1,000,000
- License available at 10G/s,20G/s,40Gb/s
- Full-featured QoS policies
- Upgrade through Internet
- Built-in or External Failover Unit
- Web GUI for flexible administration
- Powerful/flexible and unlimited policies
- Manages inbound and outbound traffic
- SLA Management
- Quota Management
- Web Cache Integration
- Uplink and Application Compression

Packet Controller products and solutions focus on policy control, billing and charging ecosystems. Our expertise allows ISP to focus on their core business: developing and delivering innovative, competitive and profitable services to its customers.

Packet Controller products and solutions scales from SME, High Education to Telecom networks, each market has its unique bandwidth management needs. Packet Controller solutions differ in the way to suit its requirements – giving you the power to streamline internet traffic that drives your organization's success.



Packet Controller

# Packet Controller Datasheets

## Features

### Deployment Options

- *Standard Bridge Mode*
- *One Bridge Multiple Members Mode*
- *Multiple Bridges Multiple Members Mode*
- *NAT Mode*

### QoS

- *Inbound and Outbound QoS on IP address, MAC address, applications, VLAN, Ports, Port Range, URL*
- *Block/Allow predefined traffic by IP address, MAC address, applications, VLAN, Ports, Port Range, URL*
- *9 Levels of Packet Priorities*
- *Minimum, Maximum, Guaranteed, Burst Bandwidth settings*
- *Differentiated services including default PHB, expedited forwarding, assured forwarding and class selector supported*
- *DSCP and packet drop precedence supported*
- *Automatic network congestion management when the pipe is fully/nearly utilized*
- *Automatic P2P bandwidth usage throttling*
- *Fine grained control of the overall inbound or/and outbound bandwidth usage on uplink*
- *Unlimited hosts or connections*
- *Time based QoS policy*
- *Balanced and nested group*

### DPI

- *Flexible packet identification framework*
- *DART(Dynamic Actionable Recognition Technology) supported*
- *DRDL (Data stream Recognition Definition Language) supported*
- *Support application properties including HTTP Header, URL, HTTP Content, Application Packet Pattern, IP Address for application identification*
- *Supported various layer 7 applications shaping including: Bittorent, Gnutella, Kazar, eDonkey and its variants, online video streaming Youtube, Netflix. Facebook Chat, Twitter, WhatsApp, Line, Tango, Viber, Facetime, Office365*

### Security

- *Integrated firewalling feature*
- *Smart QoS to migrate DDoS by checking against predefined threshold of PPS (Packet Per Second) from each external or internal host.*
- *Real Time Traffic Snapshot to identify DDoS in real time and provide API to block/deny attacks with 3<sup>rd</sup> party applications*
- *Built-in protection against SYN Flood Attack, TCP Reset Attack, ICMP Attack, UDP Storm Attack*



# Packet Controller Datasheets

## Features

### Subscriber Awareness

- *Subscriber is defined by IP address / VLAN*
- *Support multiple IP addresses/subnet for one subscriber*
- *Groups to support corporate subscriber with multiple accounts*
- *Subscriber could be associated to one contention ratio*
- *Subscriber bandwidth management is automatically managed by package*
- *Flexible quota with 3 levels of service plan switching (underlimit, overlimit and abuselimit)*
- *Automatic email notification of bandwidth usage to the subscribers*
- *Hourly, daily, monthly or annual quotas*
- *Exclusion period quota*
- *Top up for quota*
- *Custom reset times based on quota period*
- *Support quota reset anytime*
- *Support application bandwidth management per subscriber*
- *Unlimited contention ratio definition*
- *Balanced bandwidth option to manage subscriber inside one contention ratio group*

### Report and Monitoring

- *Real Time reporting utility on bandwidth statistics for application, IP, subscriber etc.*
- *Historical report on bandwidth statistics for application, IP, subscriber etc.*
- *Per subscriber real time and historic reports drilling down protocol usage*
- *Per subscriber quota report when switching underlimit, overlimit and abuser service plan*
- *Active connections tracking per subscriber*
- *Live bandwidth usage graph per subscriber*
- *User browsing History*
- *Report export to HTML, PDF, Excel*

### Administration

- *HTTPS web management portal*
- *Telnet, SSH and Console*

