Chapter 3

Summary of Configuration Statements

This section contains the configuration statements specific to the M120 Internet router.

fpc-feb-connectivity

Syntax

```
fpc-feb-connectivity {
    fpc number feb ( number | none );
}
```

Hierarchy Level [edit chassis]

Release Information Statement introduced in JUNOS Release 8.0.

Description Configure connections between any Flexible PIC Concentrator (FPC) and any Forwarding Engine Board (FEB).

Options fpc *number*—Specify an FPC. Replace *number* with a value from 0 through 5.

feb *number*—Specify a FEB. Replace *number* with a value from 0 through 5 or none.

none—Disconnects the FPC from the FEB.

Usage Guidelines See "Configuring FPC to FEB Connectivity" on page 17.

Required Privilege Level interface—To view this statement in the configuration.
interface-control—To add this statement to the configuration.

framing (10-Gigabit Ethernet Interface)

Syntax framing (lan-phy | wan-phy);

Hierarchy Level [edit interfaces xe-*fpc/pic/port*]

Release Information Statement introduced in JUNOS Release 8.0.

Description For M120 routers with a 10-Gigabit Ethernet Uplink Physical Interface Card (PIC), configure the framing format.

Options lan-phy—10GBASE-R interface framing format that bypasses the WIS sublayer to directly stream block-encoded Ethernet frames on a 10-Gigabit Ethernet serial interface.

wan-phy—10GBASE-W interface framing format that allows 10-Gigabit Ethernet wide area links to use fiber and other devices intended for SONET/SDH.

Default: lan-phy

Usage Guidelines See "Configuring LAN PHY or WAN PHY Mode" on page 19.

Required Privilege Level interface—To view this statement in the configuration.
interface-control—To add this statement to the configuration.

three-color-policer

See the following sections:

three-color-policer (Applying)

Syntax
```
three-color-policer {
    single-rate | two-rate policer-name;
}
```

Hierarchy Level [edit firewall family *family-name* filter *filter-name* term *term-name* then]

Release Information Statement introduced in JUNOS Release 7.4.
Added single-rate option in JUNOS Release 8.0 R2.

Description For T-series and M320 platforms with Enhanced II Flexible PIC Concentrators (FPCs), the M120 platform with compact FPCs, and the T640 platform with Enhanced Scaling FPC4, apply a tricolor marking policer.

Options single-rate—Marking is based on the CIR, CBS, and EBS.

two-rate—Marking is based on the CIR and the PIR.

name—Name of a tricolor policer.

Usage Guidelines See "Applying a Tricolor Marking Policer to a Firewall Filter" on page 26.

Required Privilege Level firewall—To view this statement in the configuration.
firewall-control—To add this statement to the configuration.

three-color-policer (Configuring)

Syntax

```
three-color-policer name {
    single-rate | two-rate {
      (color-aware | color-blind);
      committed-information-rate bps;
      committed-burst-size bytes;
      excess-burst-size bytes;
      peak-information-rate bps;
      peak-burst-size bytes;
    }
}
```

Hierarchy Level [edit firewall]

Release Information Statement introduced in JUNOS Release 7.4
Added single-rate option and excess-burst-size option in JUNOS Release 8.0 R2.

Description For T-series and M320 platforms with Enhanced II Flexible PIC Concentrators (FPCs) and the M120 platform with compact FPCs, configure a tricolor marking policer.

Options single-rate—Marking is based on the CIR, CBS, and EBS.

two-rate—Marking is based on the CIR and the PIR.

color-aware—Metering varies by preclassification. Metering can increase a packet's assigned packet loss priority (PLP), but cannot decrease it.

color-blind—All packets are evaluated by the CBS. If a packet exceeds the CBS, it is evaluated by the EBS.

committed-information-rate *bps*—Guaranteed bandwidth under normal line conditions, and the average rate up to which packets are marked green (low PLP).
Range: Not limited

committed-burst-size *bytes*—Maximum number of bytes allowed for incoming packets to burst above the CIR, but still be marked green.
Range: 1500 through 100,000,000 bytes

excess-burst-size *bytes*—(Configure for single-rate TCM only) Limit on number of bytes allowed for incoming packets to burst above CBS. If the limit is triggered, incoming packets are marked red.
Range: 1500 through 100,000,000 bytes

peak-information-rate *bps*—(Configure for two-rate TCM only) Maximum achievable rate. Packets that exceed the CIR but are below the PIR are marked yellow (medium-low or medium-high PLP). Packets that exceed the PIR are marked red (high PLP).
Range: Not limited

peak-burst-size *bytes*—(Configure for two-rate TCM only) Maximum number of bytes allowed for incoming packets to burst above the PIR, but still be marked yellow.
Range: 1500 through 100,000,000 bytes

Usage Guidelines See "Configuring Single-Rate Tricolor Marking" on page 23.

Required Privilege Level firewall—To view this statement in the configuration.
firewall-control—To add this statement to the configuration.