

ATM2 IQ Physical and Logical Configuration Statement Hierarchies

To configure ATM2 IQ physical interface properties, include the `atm-options` and `sonet-options` statements at the [edit interfaces *at-fpc/pic/port*] hierarchy level:

ATM2 IQ Physical Configuration Hierarchy

```
[edit interfaces at-fpc/pic/port]  
atm-options {  
  cell-bundle-size cells;  
  ilmi;  
  linear-red-profiles profile-name{  
    high-plp-max-threshold percent;  
    low-plp-max-threshold percent;  
    queue-depth cells high-plp-threshold percent low-plp-threshold percent;  
  }  
  mpls {  
    pop-all-labels {  
      required-depth number;  
    }  
  }  
  pic-type atm2;  
  plp-to-clp;  
  promiscuous-mode {  
    vpi vpi-identifier;  
  }  
  scheduler-maps map-name {  
    forwarding-class class-name {  
      epd-threshold cells plp1 cells;  
      linear-red-profile profile-name;  
      priority (high | low);  
      transmit-weight (cells number | percent number);  
    }  
    vc-cos-mode (alternate | strict);  
  }  
  vpi vpi-identifier {  
    oam-liveness {  
      up-count;  
      down-count;  
    }  
    oam-period (disable | seconds);  
    shaping {  
      (cbr rate | rtvbr peak rate sustained rate burst length | vbr peak rate sustained  
        rate burst length);  
    }  
  }  
}  
sonet-options {  
  aps {  
    advertise-interval milliseconds;  
    authentication-key key;  
    force;  
    hold-time milliseconds;  
    lockout;  
    neighbor address;
```

```

    paired-group group-name;
    protect-circuit group-name;
    request;
    revert-time seconds;
    working-circuit group-name;
}
bytes {
    e1-quiet value;
    f1 value;
    f2 value;
    s1 value;
    z3 value;
    z4 value;
}
loopback (local | remote);
(payload-scrambler | no-payload-scrambler);
rfc-2615;
trigger {
    defect ignore {
        hold-time up milliseconds down milliseconds;
    }
}
(z0-increment | no-z0-increment);
}

```

To configure ATM2 IQ logical interface properties, include the following statements:

ATM2 IQ Logical Configuration Hierarchy

```

allow-any-vci;
atm-scheduler-map (map-name | default);
cell-bundle-size cells;
epd-threshold cells;
multicast-vci vpi-identifier.vci-identifier;
oam-liveness {
    up-count cells;
    down-count cells;
}
oam-period (disable | seconds);
plp-to-clp;
shaping {
    (cbr rate | rtvbr peak rate sustained rate burst length | vbr peak rate sustained rate
    burst length);
}
transmit-weight number;
trunk-id number;
vci vpi-identifier.vci-identifier;
vpi vpi-identifier;
family inet address address {
    multipoint-destination address;
    epd-threshold cells;
    inverse-arp;
    oam-liveness {
        up-count cells;
        down-count cells;
    }
}
oam-period (disable | seconds);

```

```
shaping {
  (cbr rate | rtvbr peak rate sustained rate burst length | vbr peak rate sustained
  rate burst length);
}
transmit-weight number;
vci vpi-identifier.vci-identifier;
}
```

You can include these statements at the following hierarchy levels:

- [edit interfaces *interface-name* unit *logical-unit-number*]
- [edit logical-systems *logical-system-name* interfaces *interface-name* unit *logical-unit-number*]

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