Configure Fax Services

Fax Services

The ATA 191 provides two modes of fax services that provide internetworking with Cisco IOS gateways over IP networks. These modes are called fax pass-through mode and T.38 fax relay mode.

With fax pass-through mode, the ATA 191 encodes fax traffic within the G.711 voice codec. The fax traffic is then passed through the Voice Over IP (VoIP) network as though the fax were a voice call.

With T.38 fax relay mode, the ATA 191 supports the transmission of faxes, in real time, between two standard fax terminals communicating over SIP networks. T.38 fax relay mode provides a more reliable and error-free method of sending faxes over an IP network.

Fax Mode

You can choose the preferred fax mode on the phone configuration page of the Unified CM administration page. From the fax mode pull-down window, choose one of the following modes:

- Fax passthrough
- T.38 fax relay
- NSE Fax passthrough—G711ulaw
- NSE Fax passthrough—G711alaw

You can set the Fax Error correction mode override values. From the fax mode pull-down window, choose one of the following modes:

- On
- Off
- Default

Fax Modem Standards

The ATA 191 supports the following fax modem standards:

- ITU-T V.34
- ITU-T V.34 Annex 12
- K56flex
- V.21
- V.22
- V.23
- V.32
- V.32bis
- V.44
- V.90
- V.92

Note V.34 is not supported for T.38 relay fax.

Fax Modem Speeds

The ATA 191 supports the following fax modem speeds:

- 33.6 kb/s
- 31.2 kb/s
- 28.8 kb/s
- 26.4 kb/s
- 24 kb/s
- 21.6 kb/s
- 19.2 kb/s
- 16.8 kb/s
- 14.4 kb/s
- 12 kb/s
- 9.6 kb/s
- 7.2 kb/s
- 4.8 kb/s

• 2.4 kb/s

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Note   The speeds that are only used in V.34 do not apply for fax using T.38 relay.