

Technical Information for eDispatches Equipment

General

- Linux-based
- No keyboard, mouse or monitor needed
- Automatic recovery following power failure/restoration
- Dimensions and weight
 - 9.17" x 8.17" x 2.52", approx 3 lb. (detector)
 - 6 ½" x 5 ¼" x 1 ¾", approx 1 lb. (scanner)

Requirements

- 115V power (2 outlets)
- High-speed internet (1 port) - Ethernet only / no WiFi (due to reliability concerns)
- Clear radio reception for scanner (direct audio connection to dispatch console or base radio may be possible via 3.5mm stereo jack)

Bandwidth Usage

- Routine Check-ins: Approx. 2KB transferred every 10 minutes
- Sending Alerts: Less than 500KB per alert (transfer of recorded audio)
- Streaming Audio: 20 - 30 kbps (continuous)

IP Address Assignment

- DHCP preferred
- Static IP is possible, prior to shipment the customer must provide:
 - IP address (typically 192.168.x.x, 10.x.x.x or 172.x.x.x)
 - Netmask
 - Default gateway
 - DNS addresses
 - NTP server address (if local ntp server exists)

Protocol Usage

The equipment must be able to use the **standard provisions** of the following protocols to make **OUTBOUND** connections as a **CLIENT**:

- ssh (*destination* port 22, TCP)
- http (*destination* port 80, TCP & UDP)
- https (*destination* port 443, TCP)
- ntp (*destination* port 123, UDP)

The equipment must be able to use the above protocols to **initiate outbound connections to remote servers and receive the return traffic from those servers**. The equipment runs an ssh daemon listening on it's own local port 22 for potential troubleshooting from the LAN, but it **does not** need port 22 opened or forwarded at the firewall. **No additional protocols / ports need to be enabled, opened or forwarded on the firewall.**

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Destination IP Addresses (subject to change without notice)

47.22.54.208/28		173.220.101.64/29	Streaming Audio
47.22.54.208	47.22.54.216	173.220.101.64	67.228.177.149
47.22.54.209	47.22.54.217	173.220.101.65	174.36.1.86
47.22.54.210	47.22.54.218	173.220.101.66	174.37.110.68
47.22.54.211	47.22.54.219	173.220.101.67	67.228.76.131
47.22.54.212	47.22.54.220	173.220.101.68	67.228.72.211
47.22.54.213	47.22.54.221	173.220.101.69	67.228.150.160
47.22.54.214	47.22.54.222	173.220.101.70	74.86.84.221
47.22.54.215			
207.99.94.224/27			
207.99.94.224	207.99.94.232	207.99.94.240	207.99.94.248
207.99.94.225	207.99.94.233	207.99.94.241	207.99.94.249
207.99.94.226	207.99.94.234	207.99.94.242	207.99.94.250
207.99.94.227	207.99.94.235	207.99.94.243	207.99.94.251
207.99.94.228	207.99.94.236	207.99.94.244	207.99.94.252
207.99.94.229	207.99.94.237	207.99.94.245	207.99.94.253
207.99.94.230	207.99.94.238	207.99.94.246	207.99.94.254
207.99.94.231	207.99.94.239	207.99.94.247	207.99.94.255
64.28.100.96/27			
64.28.100.96	64.28.100.104	64.28.100.112	64.28.100.120
64.28.100.97	64.28.100.105	64.28.100.113	64.28.100.121
64.28.100.98	64.28.100.106	64.28.100.114	64.28.100.122
64.28.100.99	64.28.100.107	64.28.100.115	64.28.100.123
64.28.100.100	64.28.100.108	64.28.100.116	64.28.100.124
64.28.100.101	64.28.100.109	64.28.100.117	64.28.100.125
64.28.100.102	64.28.100.110	64.28.100.118	64.28.100.126
64.28.100.103	64.28.100.111	64.28.100.119	64.28.100.127

In the event your network configuration supports it, it is recommended that you allow traffic for the domains edispatches.com, edispcnoc.com, edisp.us & radioreference.com in addition to specifying the IP addresses from the above table.