

Technical Information for eDispatches Equipment

Hardware Description

- Linux-based
- No keyboard, mouse or monitor
- 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)

General Requirements

- 115V power (2 outlets)
- High-speed internet (1 port) - Ethernet only / no WiFi (due to reliability concerns)
- Clear radio reception for scanner
- Audio connection to console or base radio may be possible via 3.5mm stereo jack, but is the sole responsibility of the customer. Impedance mismatch may need to be corrected.

Bandwidth Usage

- Routine Check-ins: Approx. 2KB once 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, however a DHCP Reservation is recommended. The customer must provide the following prior to shipment:
 - 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)

Network Requirements

The equipment makes **OUTBOUND** connections as a **CLIENT** using **standard provisions** of:

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

Your network must allow the equipment to use the above to **initiate outbound connections to our remote servers and receive return traffic from those servers. There is no need to configure NAT or port forwarding of any kind, as the equipment does not require inbound connections.** The equipment runs an ssh daemon listening on it's own local port 22 for troubleshooting from the LAN, but it **does not** need port 22 opened or forwarded at the firewall. **In addition to the necessary firewall rules, please ensure proper configuration of any content filtering mechanisms on your network.**

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Destination IP Addresses (subject to change without notice)

| 208.64.181.160/27 | | | |
|----------------------------|----------------|--------------------------|------------------------|
| 208.64.181.160 | 208.64.181.168 | 208.64.181.176 | 208.64.181.184 |
| 208.64.181.161 | 208.64.181.169 | 208.64.181.177 | 208.64.181.185 |
| 208.64.181.162 | 208.64.181.170 | 208.64.181.178 | 208.64.181.186 |
| 208.64.181.163 | 208.64.181.171 | 208.64.181.179 | 208.64.181.187 |
| 208.64.181.164 | 208.64.181.172 | 208.64.181.180 | 208.64.181.188 |
| 208.64.181.165 | 208.64.181.173 | 208.64.181.181 | 208.64.181.189 |
| 208.64.181.166 | 208.64.181.174 | 208.64.181.182 | 208.64.181.190 |
| 208.64.181.167 | 208.64.181.175 | 208.64.181.183 | 208.64.181.191 |
| 17631.153.24.192/27 | | | |
| 131.153.24.192 | 131.153.24.200 | 131.153.24.208 | 131.153.24.216 |
| 131.153.24.193 | 131.153.24.201 | 131.153.24.209 | 131.153.24.217 |
| 131.153.24.194 | 131.153.24.202 | 131.153.24.210 | 131.153.24.218 |
| 131.153.24.195 | 131.153.24.203 | 131.153.24.211 | 131.153.24.219 |
| 131.153.24.196 | 131.153.24.204 | 131.153.24.212 | 131.153.24.220 |
| 131.153.24.197 | 131.153.24.205 | 131.153.24.213 | 131.153.24.221 |
| 131.153.24.198 | 131.153.24.206 | 131.153.24.214 | 131.153.24.222 |
| 131.153.24.199 | 131.153.24.207 | 131.153.24.215 | 131.153.24.223 |
| 131.153.30.176/28 | | 192.235.75.160/28 | |
| 131.153.30.176 | 131.153.30.184 | 192.235.75.160 | 192.235.75.168 |
| 131.153.30.177 | 131.153.30.185 | 192.235.75.161 | 192.235.75.169 |
| 131.153.30.178 | 131.153.30.186 | 192.235.75.162 | 192.235.75.170 |
| 131.153.30.179 | 131.153.30.187 | 192.235.75.163 | 192.235.75.171 |
| 131.153.30.180 | 131.153.30.188 | 192.235.75.164 | 192.235.75.172 |
| 131.153.30.181 | 131.153.30.189 | 192.235.75.165 | 192.235.75.173 |
| 131.153.30.182 | 131.153.30.190 | 192.235.75.166 | 192.235.75.174 |
| 131.153.30.183 | 131.153.30.191 | 192.235.75.167 | 192.235.75.175 |
| 47.22.54.208/28 | | 173.220.101.64/29 | Streaming Audio |
| 47.22.54.208 | 47.22.54.216 | 173.220.101.64 | 107.182.233.173 |
| 47.22.54.209 | 47.22.54.217 | 173.220.101.65 | 129.213.52.71 |
| 47.22.54.210 | 47.22.54.218 | 173.220.101.66 | 132.145.209.239 |
| 47.22.54.211 | 47.22.54.219 | 173.220.101.67 | 169.44.67.112 |
| 47.22.54.212 | 47.22.54.220 | 173.220.101.68 | 169.44.67.127 |
| 47.22.54.213 | 47.22.54.221 | 173.220.101.69 | 173.192.103.4 |
| 47.22.54.214 | 47.22.54.222 | 173.220.101.70 | 174.127.114.11 |
| 47.22.54.215 | | | 174.127.114.12 |
| | | | 174.127.114.13 |
| | | | 174.127.114.5 |
| | | | 174.127.114.7 |
| | | | 174.127.114.8 |
| | | | 174.37.110.68 |
| | | | 75.126.73.4 |

If your network configuration supports it, we recommend that whenever possible you allow traffic for the domains edispatches.com, edispnoc.com, edisp.us, broadcastify.com & radioreference.com instead of specifying the IP addresses in the table above.