

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, 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)

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 mechanism on your network.**

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Destination IP Addresses (subject to change without notice)

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
131.153.24.192/27			
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
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
47.22.54.208/28		173.220.101.64/29	Streaming Audio
47.22.54.208	47.22.54.216	173.220.101.64	67.228.72.211
47.22.54.209	47.22.54.217	173.220.101.65	67.228.76.131
47.22.54.210	47.22.54.218	173.220.101.66	67.228.150.160
47.22.54.211	47.22.54.219	173.220.101.67	67.228.177.149
47.22.54.212	47.22.54.220	173.220.101.68	74.86.84.221
47.22.54.213	47.22.54.221	173.220.101.69	107.182.233.173
47.22.54.214	47.22.54.222	173.220.101.70	107.182.233.190
47.22.54.215			169.44.67.103
			169.44.67.112
			169.44.67.127
			169.46.233.71
			174.36.1.86

If your network configuration supports it, it is recommended 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.