

# HME Device Pre-Installation Network & System Requirements

The following are network requirements for HME devices:

	Destination Domains	Network Ports
<b>1. Connecting ZOOM Nitro® Timer to HME CLOUD® and Drive-Thru Leaderboard™</b>		
To enable a ZOOM Nitro Timer to connect to HME CLOUD and Drive-Thru Leaderboard, it must be connected to the store's network and the following firewall rules must be allowed:	<ul style="list-style-type: none"> <li>▪ hmedtcloud.com</li> <li>▪ *.hmecloud.com</li> <li>▪ hme-live-namespace.servicebus.windows.net</li> <li>▪ hme-live2-leaderboard.azurewebsites.net</li> </ul>	<ul style="list-style-type: none"> <li>▪ Outbound, 19000, TCP</li> <li>▪ Outbound, 443, (HTTPS), TCP</li> <li>▪ Outbound, 80, (HTTP), TCP</li> </ul>
<b>2. Connecting Wireless Detectors (If applicable)</b>		
To enable a ZOOM Nitro Timer to use wireless detectors, the following firewall rules must be allowed:	<ul style="list-style-type: none"> <li>▪ Mgage.hme.com</li> </ul>	<ul style="list-style-type: none"> <li>▪ Outbound, 3002, TCP</li> </ul>
<b>3. Emailing Reports from ZOOM (If applicable)</b>		
To enable ZOOM Nitro Timer to send an outbound only email either for scheduled reports or for diagnostic purposes, the following network firewall rules must be allowed:	<ul style="list-style-type: none"> <li>▪ api.mailgun.net</li> </ul>	<ul style="list-style-type: none"> <li>▪ Outbound, 443 (HTTPS), TCP</li> </ul>
	<ul style="list-style-type: none"> <li>▪ smtp.mailgun.net</li> </ul>	<ul style="list-style-type: none"> <li>▪ Outbound, 587 (SMTP), TCP</li> </ul>
<b>4. Browsing to HME CLOUD from your Local Network (If applicable)</b>		
To use the HME Cloud website within your local network, the following network firewall rules must be allowed:	<ul style="list-style-type: none"> <li>▪ hmedtcloud.com</li> </ul>	<ul style="list-style-type: none"> <li>▪ Outbound, 20000 through 29999 (inclusive) (HTTP), TCP</li> </ul>
	<ul style="list-style-type: none"> <li>▪ *.hmecloud.com</li> </ul>	<ul style="list-style-type: none"> <li>▪ Outbound, 443 (HTTPS), TCP</li> <li>▪ Outbound, 80 (HTTP), TCP</li> </ul>
<b>5. Minimum Bandwidth Requirements</b>		
A broadband internet connection is required to use the HME CLOUD service physical port location, as well as these bandwidth requirements:	<ul style="list-style-type: none"> <li>▪ 1 MB download &amp; upload (Gamified)</li> <li>▪ 250 KBps download &amp; upload (Non-gamified)</li> </ul>	<ul style="list-style-type: none"> <li>▪ N/A</li> </ul>

For help, contact HME Support at 800.848.4468 or support@hme.com.

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