



# Kisi Network Requirements

Ethernet \* WiFi \* Firewall

<a href="#">Kisi Reader Pro</a>	PoE and/or WiFi (2.4Ghz or 5Ghz) For redundancy the WiFi can be provided by 4G router as backup It supports 10Mbps and 100Mbps operation.																	
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<a href="#">Firewall Settings</a>	<p>The Kisi Controller Pro only makes outbound connections, so you have to configure the TCP ports if you have a firewall that prevents outbound connections.</p> <table border="1"><thead><tr><th>Port</th><th>TCP</th><th>UDP</th><th>Usage</th></tr></thead><tbody><tr><td>31314</td><td>✓</td><td></td><td>Initial device-server connection</td></tr><tr><td>993</td><td>✓</td><td></td><td>Fallback device-server connection</td></tr><tr><td>80</td><td>✓</td><td></td><td>Fetch device firmware</td></tr></tbody></table>	Port	TCP	UDP	Usage	31314	✓		Initial device-server connection	993	✓		Fallback device-server connection	80	✓		Fetch device firmware	
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<b>Enterprise WiFi</b>	Kisi Controller Pro 1.1 does not currently support enterprise-level wifi authentication, 802.1x, which requires that you log in with a username and password as well as the customary SSID. You will not be able to connect your Kisi to such a network unless this is downgraded to a 802.11n wifi operating in the 5GHz band. It is also compatible with 802.11a, 802.11b, and 802.11g networks as well.																	
<b>Captive WiFi / Hosted WiFi</b>	The wifi chip does not support networks which require a user to enter login details before network access is granted. This is most commonly encountered with public hotspots and some guest networks in office environments (rarely for home-based wifi networks).																	
<b>IP and MAC</b>	Kisi devices work with IP addresses assigned by DHCP. As an alternative DHCP can assign a fixed IP based on MAC.																	

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