

AVAYA

Quick Edition

All Versions

Data Network Readiness Checklist

This 2-page document provides a checklist to confirm the required items for connecting a Quick Edition system to the data network are in place. Performing this checklist will help ensure overall stability and performance of the Quick Edition system.

<i>Item</i>	<i>Summary</i>	<i>Completed</i>
Location wired for CAT5 Ethernet	In order for proper operation, Quick Edition requires CAT5 Ethernet cabling or better (for example, CAT5e) to connect IP telephones and PSTN gateways.	<input type="checkbox"/>
RJ-45 terminations in place	As with most devices Quick Edition devices connect to the location Ethernet using RJ-45 connections, ensure these terminations are in place.	<input type="checkbox"/>
Wiring closet completed	Ensure that the physical location required to house the equipment has been completed and all required connections and power are available at this location.	<input type="checkbox"/>
100Mbps Ethernet switch	Ensure that a 100Mbps Ethernet switch is available to network all Quick Edition devices.	<input type="checkbox"/>
Ethernet Port Count	Ensure that enough ports are available on the Ethernet switch to provide connectivity for all Quick Edition devices, both telephones and gateways.	<input type="checkbox"/>
IP Multicast Supported by switch	Quick Edition uses IP multicast to exchange control information and support if multicast is required for proper operation. Ensure the Ethernet device selected supports IP multicast with no known issues.	<input type="checkbox"/>
IGMP Snooping Disabled	Quick Edition supports IGMP v2. A number of layer 2 switches support IGMP snooping by default. If Quick Edition devices on the network cannot communicate, turning off IGMP snooping on the switch may resolve the issue.	<input type="checkbox"/>
STP	If any Quick Edition devices are connected to a switch that runs the Spanning Tree Protocol, configure the switch connections with Portfast (also known as "spantree start-forwarding").	<input type="checkbox"/>
802.3af (PoE)	Quick Edition IP telephones and G11 PSTN gateways receive their power via the Ethernet port using the 802.3af power over Ethernet standard.	<input type="checkbox"/>
VLAN	All Quick Edition devices must be connected to the same VLAN segment.	<input type="checkbox"/>
IP Address Assignment	For ease of management it is recommended to have a DHCP server in the network environment, however this is not required. If using zero-conf or static IP address assignments ensure appropriate routes have been added to allow traffic to pass from these address spaces.	<input type="checkbox"/>

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Network Assessment

Ensuring a reliable and stable data network infrastructure is in place is critical to successful deployment of any VoIP solution. Performing a network assessment is the best way to discover any impairment which may create an issue with the system.



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