Here are risk and issue management strategies for a Network Upgrade Project for a Bank:

- Risk management strategy:

Risk	Management Strategy
Network Downtime During Upgrade	Upgrade during off-peak times and keep backups and a rollback strategy in place.
Data Breach or Loss During Transition	During the upgrading, put robust encryption procedures into place and conduct frequent security assessments. During the upgrading, put robust encryption procedures into place and conduct frequent security assessments.
Incompatibility with Existing Systems or Legacy Applications	Prior to deployment, test for compatibility and keep thorough records of legacy systems.
Failure to Meet Regulatory Compliance	Involve legal and compliance teams as soon as possible to ensure compliance with banking requirements (such as PCI-DSS and GDPR).
Cost Overruns	Adopt stringent budget monitoring, evaluate financial data on a regular basis, and keep emergency cash on hand for unforeseen expenses.
Vendor or Supplier Delays	Clearly define your vendor agreements (SLAs) and prepare backup vendors in advance to reduce downtime.
Hardware or Software Malfunction	Test new gear and software thoroughly ahead of time and keep backups in case something goes wrong.
Untrained Staff Struggling to Use Upgraded System	Plan on getting a lot of training and ongoing help before, during, and after the change.
Resistance to Change from Bank Employees	Use change management methods, be clear about the benefits, and roll out the changes gradually.
Cybersecurity Vulnerabilities During the Upgrade Process	During the upgrade, make security measures stronger, keep an eye out for odd behaviour, and do penetration testing.

- Issue management strategy:

Issue	Management strategy
Poor Initial Planning/Scope Definition	Hold in-depth planning meetings, write up a complete project scope document, and go over it often.
Delays in Hardware Procurement	Keep a close eye on when suppliers send out their work and order important tools ahead of time.
Unexpected Technical Issues During Implementation	Set up a specialised troubleshooting team and a way for problems to be escalated when they arise.
Lack of Clear Communication Between Project Teams	Set up regular cross-functional meetings and use collaboration tools (e.g., Slack, Microsoft Teams) for communication.
Insufficient Bandwidth During Network Rollout	Conduct network load testing and stagger implementation to prevent overwhelming the network.
Disruption to Customer Services Due to Downtime	Tell customers about planned downtime ahead of time and make backup plans to keep service interruptions to a minimum.
Failure of Backup Systems	Before the change, test the backup systems often and keep a plan B in case something goes wrong.

System Performance Issues After the Upgrade	Always keep an eye on how the network is working and change the settings to get the best speed and efficiency.
Delays in User Acceptance Testing (UAT)	Set clear dates for UAT, give dedicated testers, and test the most important areas first.
Scope Creep Due to Changing Requirements	Set up strict processes for change control and do an effect analysis for all new requests and changes.