

CASE STUDY

G20 SUMMIT INDIA POWERED BY RAY SOLUTIONS



About the G20 Summit

The 18th G20 Summit, held at Bharat Mandapam in New Delhi from 9th to 10th September 2023, marked a significant gathering of leaders from the world's major economies. As the host nation, India's one of the tasks was providing an efficient and robust network infrastructure to support various activities during the summit. Ray Solutions played a crucial role in meeting these networking requirements. Ray solutions deployed were inclusive of Indoor & Outdoor Wi-Fi Access points along with Switching Solutions

Requirements

- › The G20 Summit required both indoor and outdoor Wi-Fi access points to ensure uninterrupted internet connectivity for all attendees.
- › An integrated e-shopping experience was introduced, allowing visitors to make secure purchases using a UPI gateway. This necessitated a strong and reliable network connection.
- › A dedicated media hub was established to accommodate numerous media stations. This required a high-speed and stable network infrastructure for seamless data transfers.
- › One of the critical demands was to maintain a network that would not experience downtime at any point during the summit.



Ray Access Point

Indoor Wi-Fi Access Points



R6B-C

- › Wi-Fi 6 (802.11 AX)
- › 3600 Mbps
- › 4x4:4
- › High Density Use Case
- › Ultra-High Performance



Outdoor Wi-Fi Access Point

R6A-O

2x2, 1.8 Gbps Outdoor Access Point
Enterprise Use Case, Supports Upto
100 Concurrent Users

Switches: Ray Aggregation Switch and Ray 24X Switches



RSL2-24X

- L2+ Cloud Managed Switch
- 24 Port 1G 802.3af/at PoE+ Ports
- 4 Port 10 Gigabit SFP+
- 370 watts PoE Power Budget



RSL2-A-24X

- Ray L2+ Cloud Managed Switch
- 24 Port 10GbE (SFP+)
- 2 Port 40GbE (QSFP)





Solution

Ray Solutions successfully addressed these challenges by implementing the following solutions:

- › **Wi-Fi Access Points:** Ray deployed R6B-C for indoor areas and R6A-O for outdoor areas to ensure seamless Wi-Fi access for all attendees.
- › **Showcasing UPI Innovation:** Ray Solutions provided a robust network infrastructure to facilitate smooth and secure transactions via the UPI gateway, showcasing India's technological innovation to the world.
- › **Media Hub:** Ray Solutions ensured high-speed and reliable network connections for media stations, enabling uninterrupted transfer of large data volumes.
- › **Reliability:** Ray One delivered a network that met the 100% uptime requirement, ensuring that the summit's activities proceeded without disruptions.

Key Takeaways

- › Ray Solutions successfully met the networking challenges posed by the 18th G20 Summit, including showcasing India's UPI innovation.
- › The deployment of Ray's products allowed for efficient network management, ensuring uninterrupted connectivity for all attendees.
- › SBI (State Bank of India) provided extremely positive feedback for Ray Solutions, highlighting that there were no network-related issues throughout the event. The performance exceeded expectations, resulting in a smooth and successful summit.

In conclusion, Ray Solutions played a pivotal role in providing a reliable and efficient network infrastructure for the 18th G20 Summit, ensuring that the summit's objectives were met without any network-related hindrances. The successful showcasing of India's UPI innovation and the positive feedback from SBI further underscored the excellence of Ray's solutions.