



BROADBAND INDIA FORUM · WI-FI DAY

Public Wi-Fi at Scale: PM-WANI across Assam

How **MatreComm** powered the **Government of Assam** public Wi-Fi rollout, delivered in partnership with **AMTRON** — bringing carrier-grade connectivity to towns and rural pockets across one of India's most diverse states.

Srinivas Gudipudi · Founder, MatreComm Technologies Pvt. Ltd.

Connect the Unconnected — Affordably, and by the Book

Three non-negotiable imperatives shaped the Assam public Wi-Fi programme from the outset — reach, affordability, and full regulatory compliance with DoT's PM-WANI framework.

Reach the Last Mile

Public Wi-Fi spanning towns and rural pockets across Assam — terrain and backhaul corridors that traditional commercial rollouts routinely skip. The mandate demanded coverage where it had never existed before.

Keep it Affordable

PM-WANI's open architecture lets any citizen connect through a registered Public Data Office — no SIM card, no contract, micro-payments only. Zero barriers to first-time internet users.

Stay Fully Compliant

Every hotspot must meet DoT PM-WANI regulations from day one: eKYC-based user onboarding, IPDR logging, and lawful-intercept readiness — non-negotiable for a government-backed deployment.



DELIVERED

A Live, Carrier-Grade Public Wi-Fi Network

MatreComm, operating through its [CraftWANI](#) platform, deployed and now actively manages a full-scale PM-WANI network across Assam — built on OpenWrt-class hotspots, a captive portal, RADIUS/RADSEC AAA, and centralised cloud management.

3,000

Access Points

Deployed and actively managed across Assam's towns and rural pockets.

99.99%

Availability

Carrier-grade uptime across the entire network, monitored 24x7.

100%

PM-WANI Compliant

DoT-ready at every node: eKYC onboarding, IPDR logging, and lawful-intercept capability.

What Transformative Solutions Can PM-WANI Unlock?

We have a live, compliant, carrier-grade network across Assam. The infrastructure is ready. The question is — what do we build on top of it?

→ **Underserved Sectors**

Which sectors in your state are most underserved and could be transformed by a PM-WANI solution?

→ **Government Service Delivery**

Can PM-WANI become the backbone for last-mile government service delivery — across health, education, and welfare initiatives?

→ **PM-WANI in Healthcare**

What specific services would a PM-WANI Health solution enable? Think telemedicine, remote diagnostics, or mobile health camps.

→ **Empowering PDO Operators**

How can we turn every Public Data Office (PDO) operator into a digital services entrepreneur, beyond just a Wi-Fi reseller?

→ **Digital Platform Integrations**

Which ONDC, fintech, or skilling platforms are ready to seamlessly plug into a PM-WANI network today, and how?

Let's build the use cases together.

PM-WANI: Transformative Solutions for Every Sector

PM-WANI is not just internet access — it is a platform that powers purpose-built solutions across education, commerce, and entrepreneurship. Each deployment is a sector-specific solution, not just a hotspot.



PM-WANI School / College

A dedicated solution for educational institutions — enabling e-learning platforms, digital classrooms, and government education content delivery. Students access courses, assessments, and skilling programmes over a compliant, managed Wi-Fi network built for campuses.



PM-WANI Shops

A tailored solution for local commerce — enabling ONDC onboarding, UPI payments, and digital storefronts for kirana stores, artisans, and market vendors. Every shop becomes a node in India's open digital economy.



PM-WANI Entrepreneur

A livelihood solution — every Public Data Office is a micro-enterprise. Local operators earn revenue from micro-payments, manage their own hotspot, and build a sustainable business. PM-WANI turns connectivity into ownership.

✔ One platform, three transformative solutions — PM-WANI is the infrastructure layer for India's digital future.

Compliance Engineered In — A Blueprint Other States Can Copy

Assam's PM-WANI deployment proves that large-scale, fully compliant public Wi-Fi is achievable in India's most challenging geographies. The same [CraftWANI](#) stack is ready to be replicated — no reinvention required.

Compliance Stack

eKYC Onboarding

OTP and Aadhaar-based identity verification completed in seconds at every Public Data Office.

IPDR Logging


Full internet packet detail records retained and lawful-intercept ready — meeting every DoT requirement.

RADIUS / RADSEC AAA

Encrypted, secure authentication, authorisation, and accounting across all 3,000 access points.

The Bigger Picture

Assam demonstrates what is possible when a state government, a technology partner, and a regulatory framework align. Affordable public Wi-Fi has reached communities where connectivity was previously thin or absent — and the network is growing.

 **Replicable by Design:** The same CraftWANI stack — DoT-compliant, cloud-managed, and proven at scale — can be deployed in any Indian state without starting from scratch.

MatreComm Technologies · Incubated at Tata Elxsi · Bengaluru

WITH GRATITUDE

Thank You, Team AMTRON

This deployment would not have been possible without the vision, trust, and relentless support of the AMTRON team. Your partnership turned an ambitious mandate into a live, working network serving communities across Assam.

Special acknowledgement section with names:

- **Anoldeep Burman** — for his leadership and unwavering commitment to the programme
- **Vishal Patkar** — for his technical guidance and hands-on collaboration throughout the rollout
- **And the entire AMTRON team** — whose dedication, coordination, and belief in the mission made every milestone possible.

"It has been an honour to build this together."

