

Why Smart Businesses Are Ditching EPABX for Cloud Phones (And What's Still Holding Some Back)

TechRounder PDF Edition

Live article:

<https://www.techrounder.com/technology/virtual-cloud-phone-for-business-benefits-and-underlying-challenges/>

By Vipin PG | Published January 5, 2022 | Updated January 4, 2026 | Format: Explainer | 4 min read

In brief

Remember the days when adding a new desk phone meant drilling holes, running copper wires and waiting for the PBX technician to show up? Those days are practically over.

Remember the days when adding a new desk phone meant drilling holes, running copper wires and waiting for the PBX technician to show up? Those days are practically over. From my experience covering Indian telecom for over a decade, I've watched cloud telephony move from a "nice-to-have" to a "must-have"-especially after the pandemic forced every team to work from home overnight.

Today, even the neighbourhood kirana store is asking if they can get a "Jio-like" phone system that rings on their mobile. The answer is yes-and it's called a virtual cloud phone. Let's break down why companies are rushing in, where the potholes are, and how you can dodge them.

Old-school PBX vs Cloud: No Contest

Traditional EPABX boxes served us well, but they're like a BSNL landline in a 5G world. Cloud phones chuck the iron box into the sky and hand you a web dashboard instead. The shift is so sharp that TRAI's latest reports show India adding roughly 1.2 million cloud seats every quarter-three times faster than new wired connections.

1. Zero hardware, zero wait

Sign-up, sip your coffee, and the welcome e-mail lands with a login. That's it. No MDF rack, no punching down cables, no "sir, civil work extra". I've seen startups go live before their furniture arrived-something impossible with legacy gear.

2. Pay-as-you-grow pricing

Most Indian providers-think Knowlarity, Exotel, Ameyo-now bill per agent per day. Seasonal business? Scale up for Diwali sales, drop back in January. You can't do that when you've already bought a 32-port card.

3. Plug-and-play integrations

Click a button and your CRM (Zoho, Salesforce, even that custom Excel-sheet-turned-web-app) starts popping caller details before the first ring. My favourite trick: automatic ticket creation in Freshdesk the moment a call ends-no data entry, no missed follow-ups.

4. Work-from-anywhere mobility

Your sales guy in Kochi, support girl in Kohima and founder in the US all share the same "board number". Customers dial one landline-style number, phones ring on the app, browser, or a INR2,000 IP desk phone-whichever is handy.

The Real-World Wins (with Numbers)

- Cashify moved support to cloud in 2021; call-connect time dropped 28 % and they saved INR18 lakh in capital expense.
- BigBasket uses local cloud numbers in 42 cities-customers pay local rates, company avoids STD bills.
- A three-person travel agency I know in Jaipur pays INR1,176/month total for an IVR, call recording and unlimited incoming. A basic PBX AMC alone would cost double.

Where the Rubber Meets the Road: 5 Pain Points

Cloud isn't magic. These are the complaints I field every week-and the fixes.

1. Internet is your oxygen

VoIP needs 100 kbps per call-nothing scary, but jitter kills quality. Quick fixes:

- Keep a 4G dongle as fail-over; most providers let you flip calls to mobile in 10 seconds.
- Ask your ISP for a "business" plan with an SLA; residential lines can be oversold 1:20.

2. Legacy LAN gear chokes voice

That 2012 Wi-Fi router won't prioritise packets. Spend INR3,000 on a QoS-capable router-brands like TP-Link Omada or Ubiquiti-and watch call drops vanish.

3. Security jitters

Yes, SIP credentials can be nicked. Choose vendors offering:

- IP whitelisting (only your office IP can register)
- 2-factor auth on the dashboard
- End-to-end SRTP encryption (most grade-A providers now enable by default)

4. Power cuts = dead phones

IP phones need juice. Simplest hedge: a INR1,500 UPS per phone keeps it alive for two hours. Bonus points for Power-over-Ethernet switches-one cable, no adapter.

5. Emergency dialling still grey

TRAI finally allowed cloud numbers to connect to 112 service in 2023, but not every provider has rolled it out. If you run a factory or school, keep one vanilla BSNL line for true emergencies-lawyers recommend it.

What Buying Looks Like in 2025

Prices have crashed. A starter pack with one Indian number, 1,000 incoming minutes and five agents is INR899-INR1,299 a month across Exotel, Knowlarity, Ozonetel. Add call recording at INR99, transcription at INR149-still cheaper than one Delhi landline rental.

Reliance Jio is quietly bundling a cloud PBX with every JioFiber business plan-10 agents free for a year. Airtel's doing the same with Airtel Xstream Fiber. If you're already paying for fibre, check the welcome mail; the licence might be sitting unused.

Migration Checklist (Steal This)

1. Port your old "board line" number-TRAI allows it in 10 days.
2. Map call flows on paper first; who rings where, when, and how overflow works.
3. Run a 7-day parallel pilot; forward EPABX to cloud during office hours.
4. Train staff on the softphone app-most resistance is fear of change.
5. Schedule a network audit; fix jitter before go-live, not after.

The Bottom Line

Cloud telephony isn't the future-it's the present. The only companies still buying iron boxes are either locked into decade-old AMCs or unaware of how cheap and reliable the cloud has become. Fix your internet, pick a TRAI-licensed provider, and you'll wonder why you waited this long.

Still sitting on the fence? Drop your questions below-I answer every comment, usually over a cloud call myself.