

iPECS eMG VOIP Usage

ISE_iPECS_TI_eMG80_VOIPUsage_009

REVISION HISTORY

| ISSUE | DATE | DESCRIPTION OF CHANGES |
|-------|-----------|--|
| 1.0 | 08-Jan-15 | Preliminary Release |
| 1.1 | 09-Mar-15 | IPCR, TNET, Networking channel usage |
| 1.2 | 31-Aug-15 | TNET and Networking case updated and corrected |
| 1.3 | 07-Sep-15 | IPCR Agent Rec case and Trunk Rec case separated |
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- VOIP Channel Usage Summary
- IP Phone and Digital Phone
- IP Phone and IP Phone
- IP Phone and Voice Mail
- IP Phone and TDM Trunk Line
- IP Phone and VOIP Trunk Line
- IP Phone and Gateway Trunk Line
- IPCR Channel Usage
- TNET Channel Usage
- Networking Channel Usage

VOIP Channel Use Summary

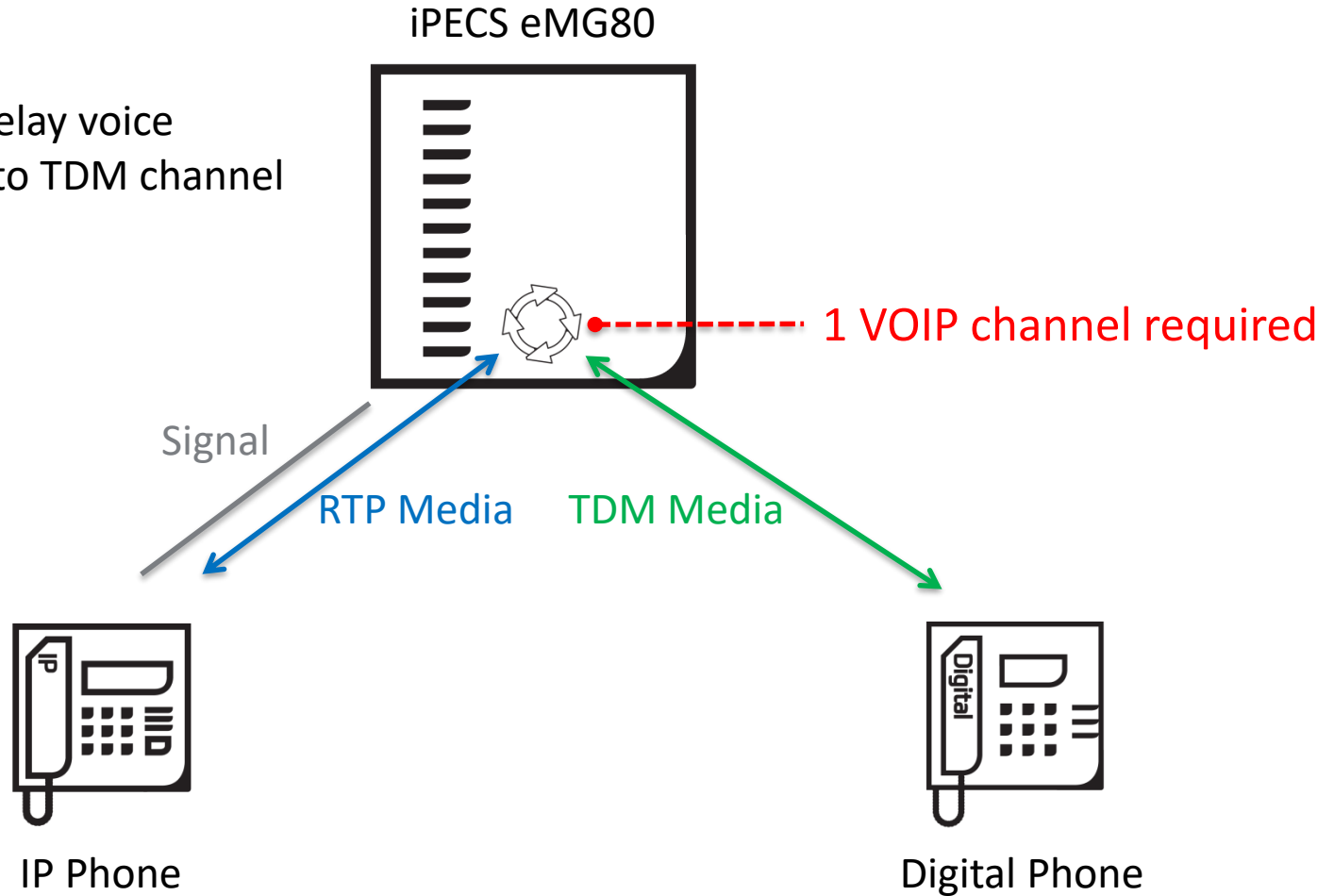
| | | TDM Phone | IP Phone | | TDM Trunk | VoIP Trunk |
|-----------|--------|-----------|----------|--------|-----------|------------|
| | | | Local | Remote | | |
| TDM Phone | | 0 | 1 | 1 | 0 | 1 |
| IP Phone | Local | 1 | 0 | 1 | 1 | 1 |
| | Remote | 1 | 1 | 1 | 1 | 1 |

* TDM Phone represent Digital Phone, SLT, DECT Phone.

IP Phone represent LIP Phone, SIP Phone, UCS Desktop/Mobile Client, iPECS Attendant.

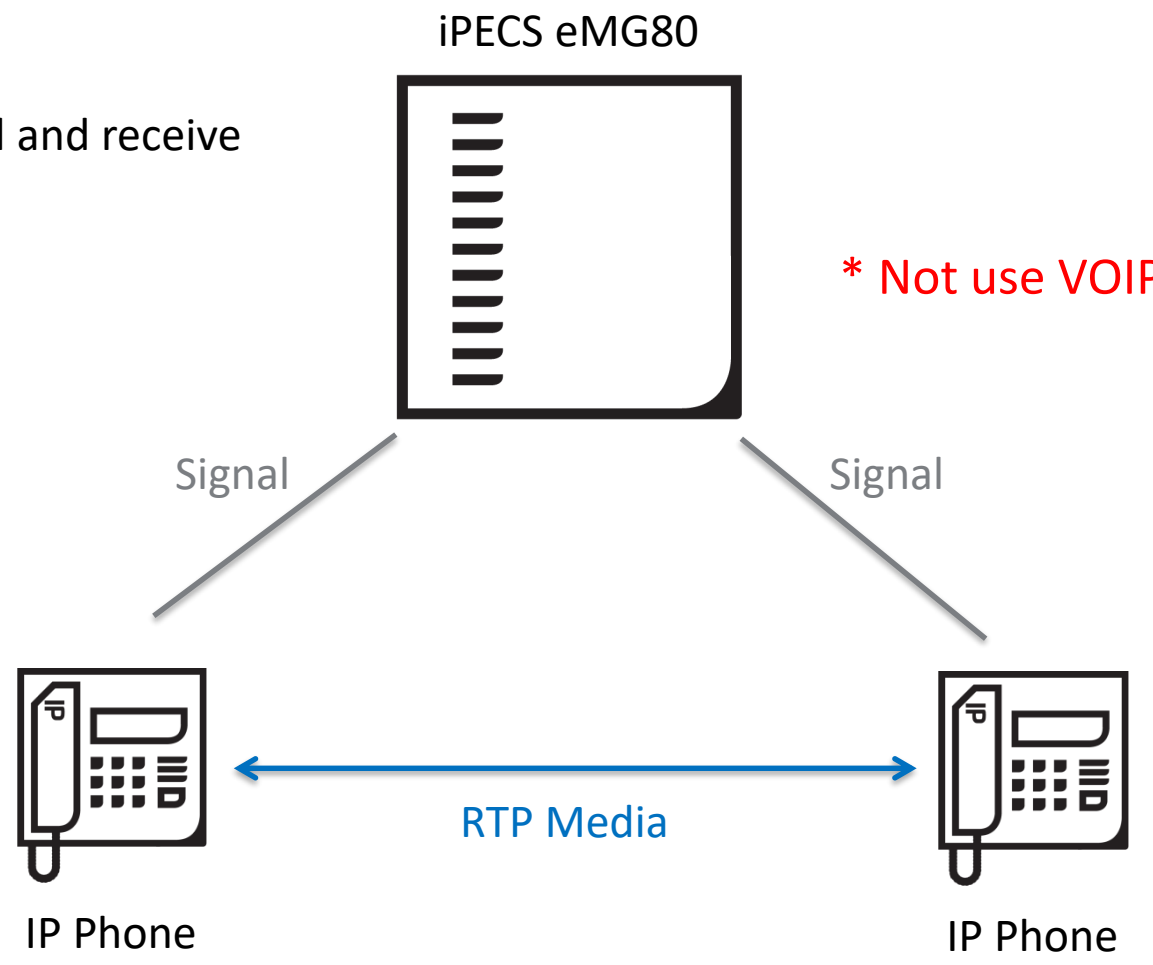
IP Phone and Digital Phone

- VOIP channel relay voice from IP Phone to TDM channel



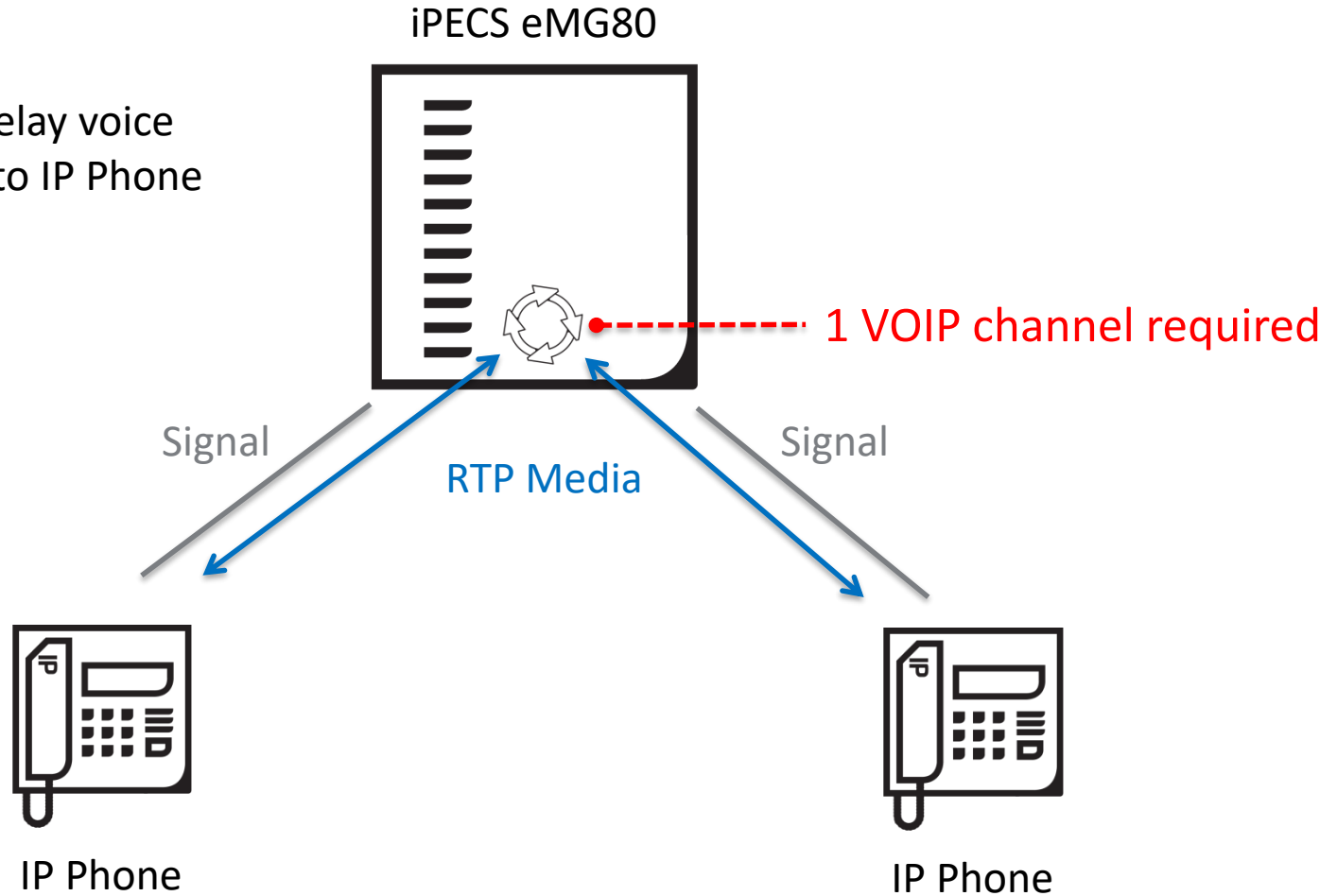
IP Phone and IP Phone: Local Mode

- IP phones send and receive voice directly



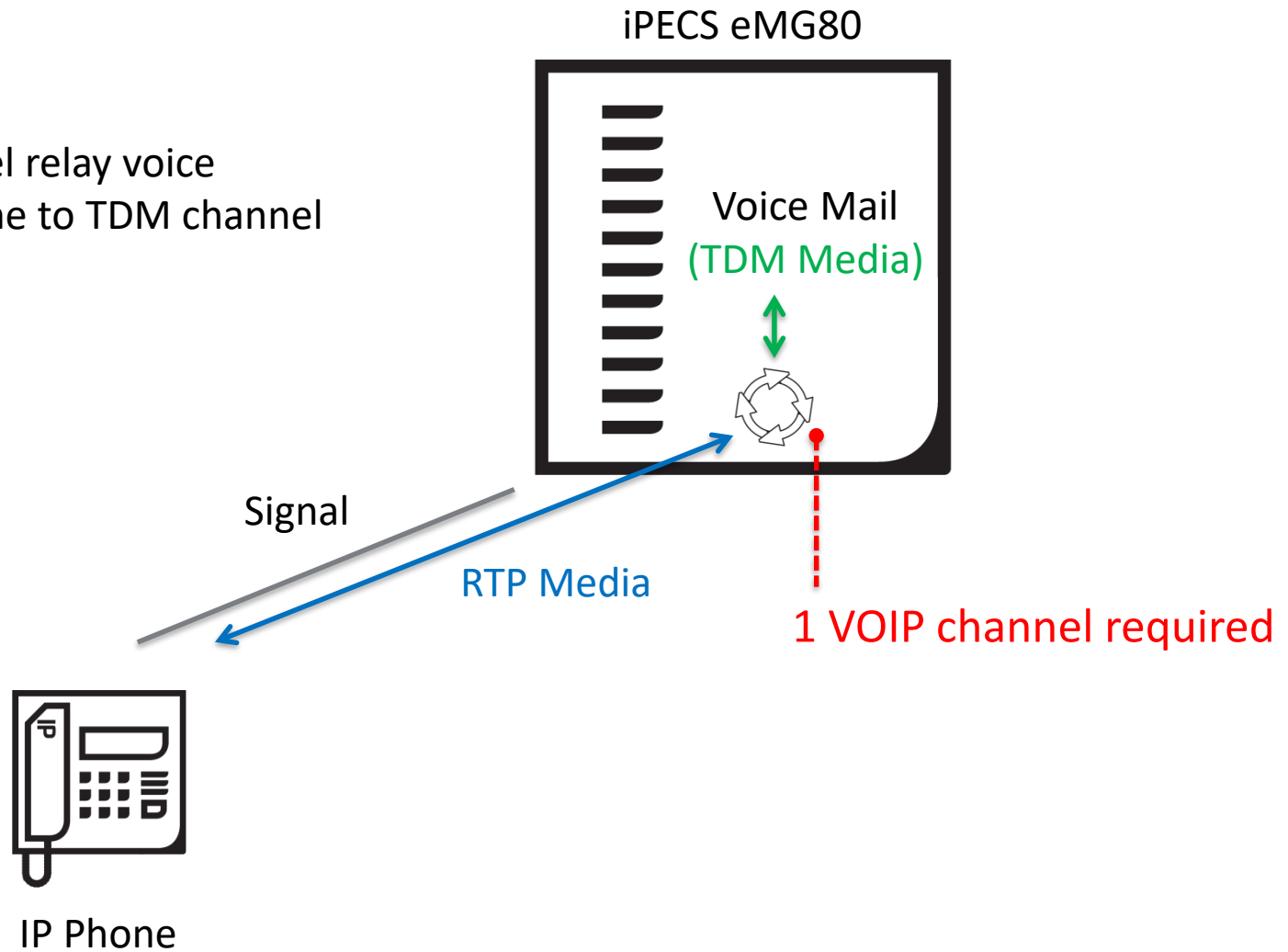
IP Phone and IP Phone: Remote Mode

- VOIP channel relay voice from IP Phone to IP Phone



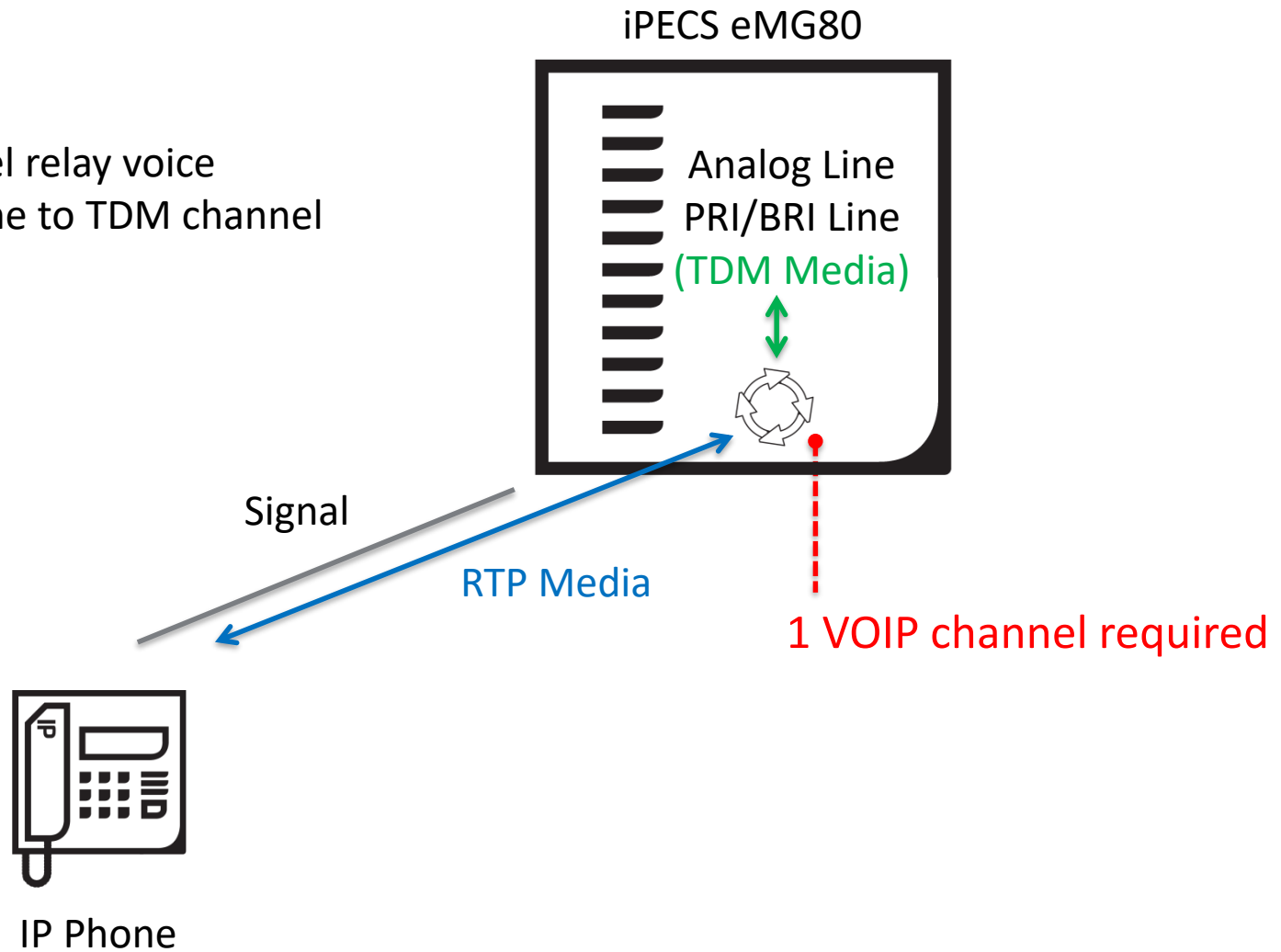
IP Phone and Voice Mail

- VOIP channel relay voice from IP Phone to TDM channel



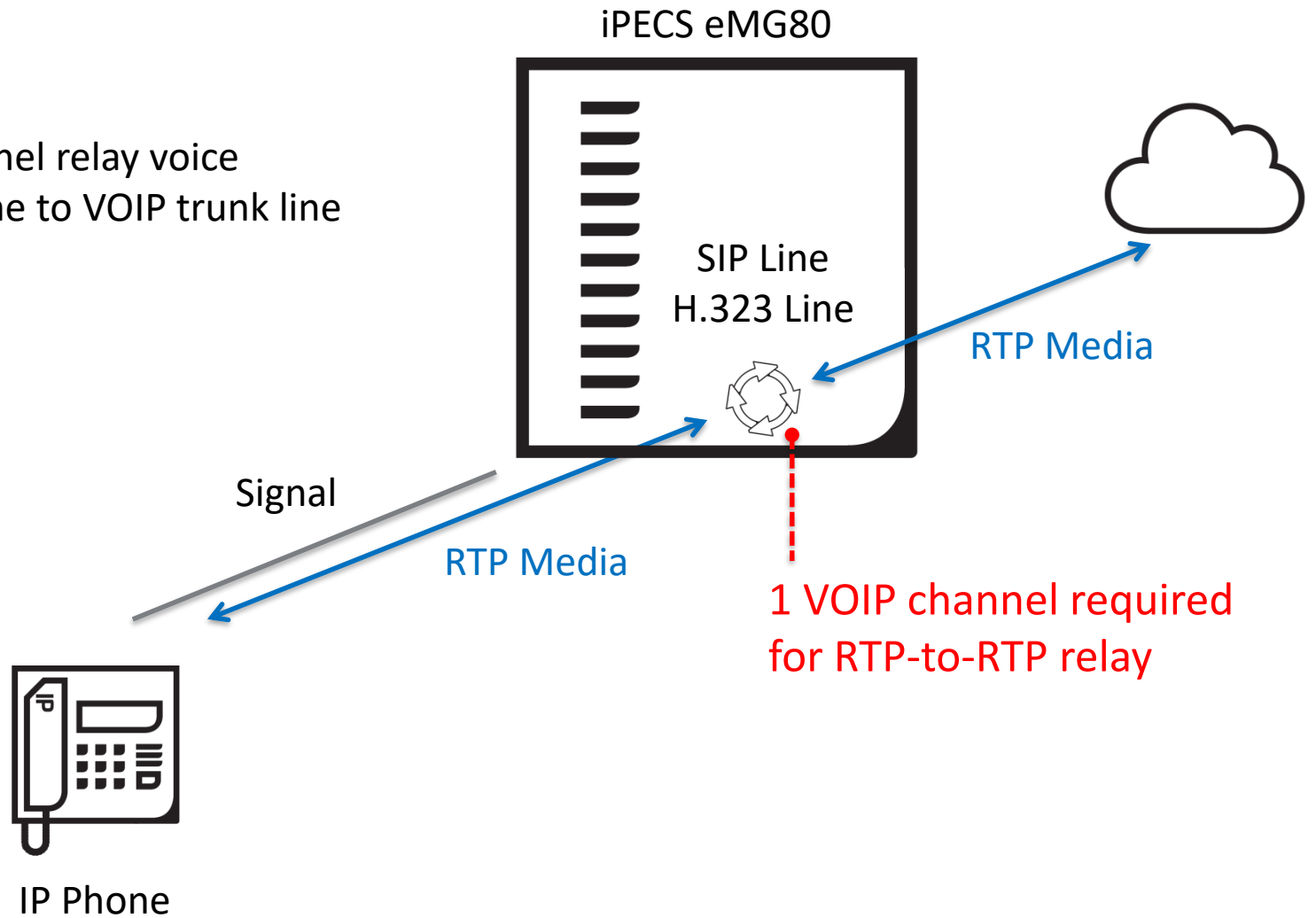
IP Phone and TDM Trunk Line

- VOIP channel relay voice from IP Phone to TDM channel



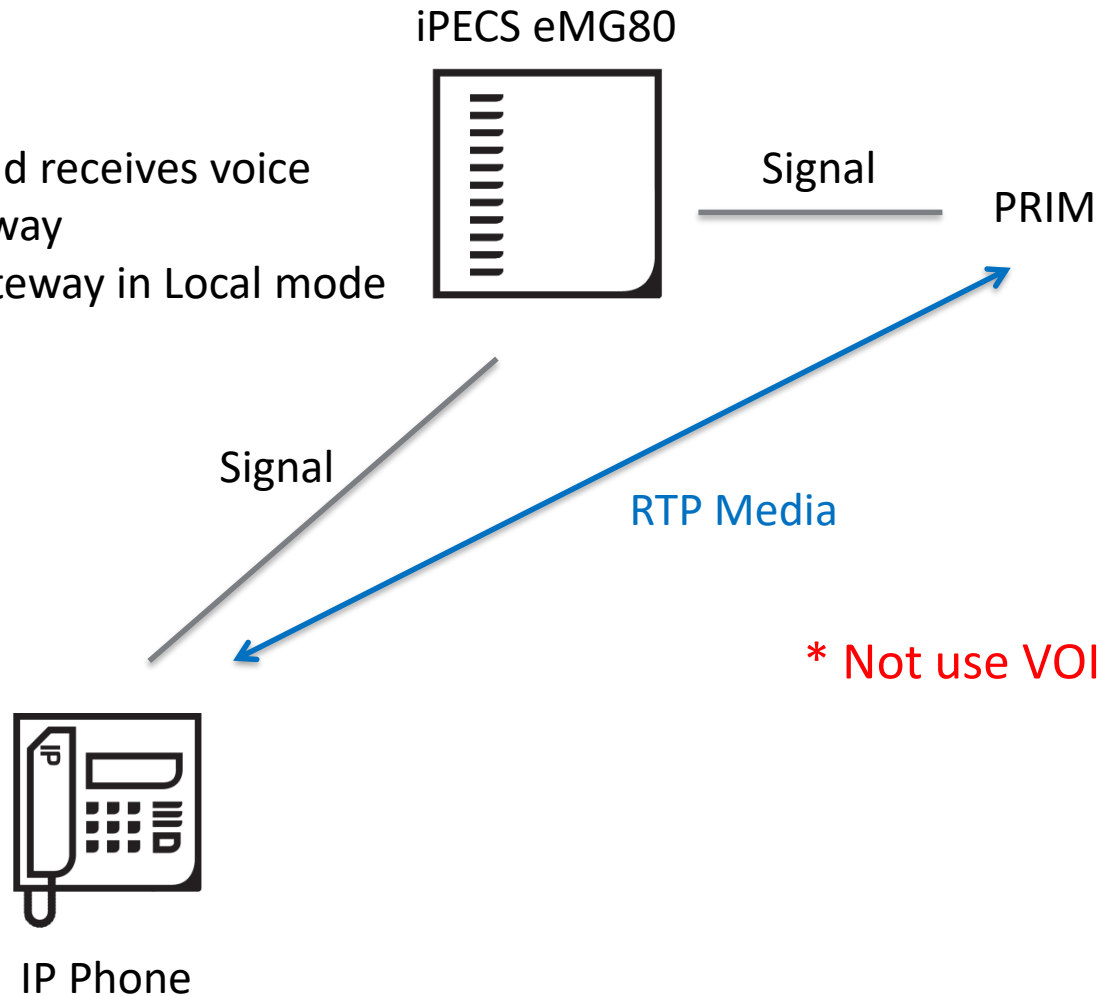
IP Phone and VOIP Trunk Line

- 1 VOIP channel relay voice from IP Phone to VOIP trunk line



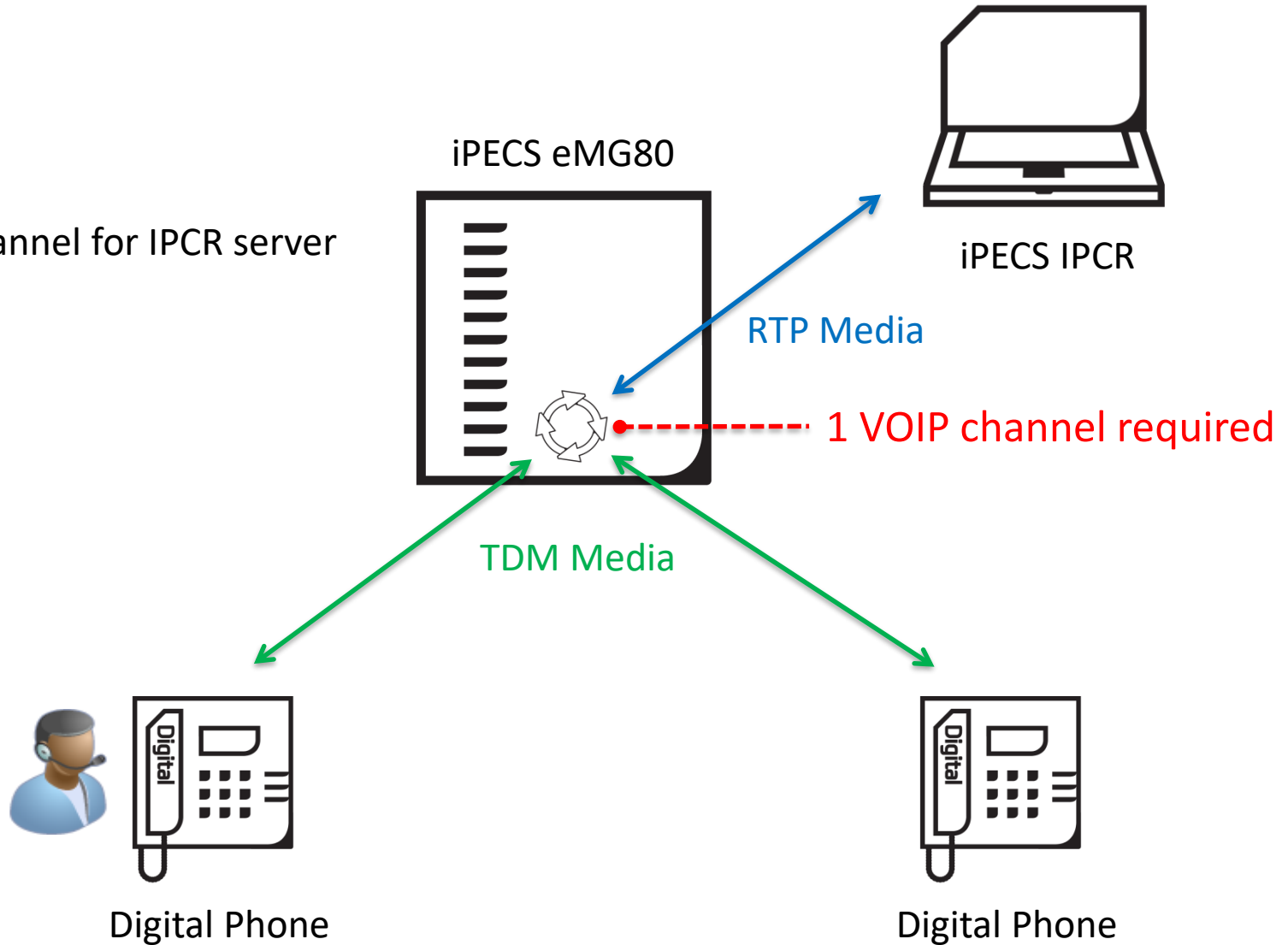
IP Phone and Gateway Trunk Line

- IP phone send and receives voice directly to Gateway
- IP phone and Gateway in Local mode



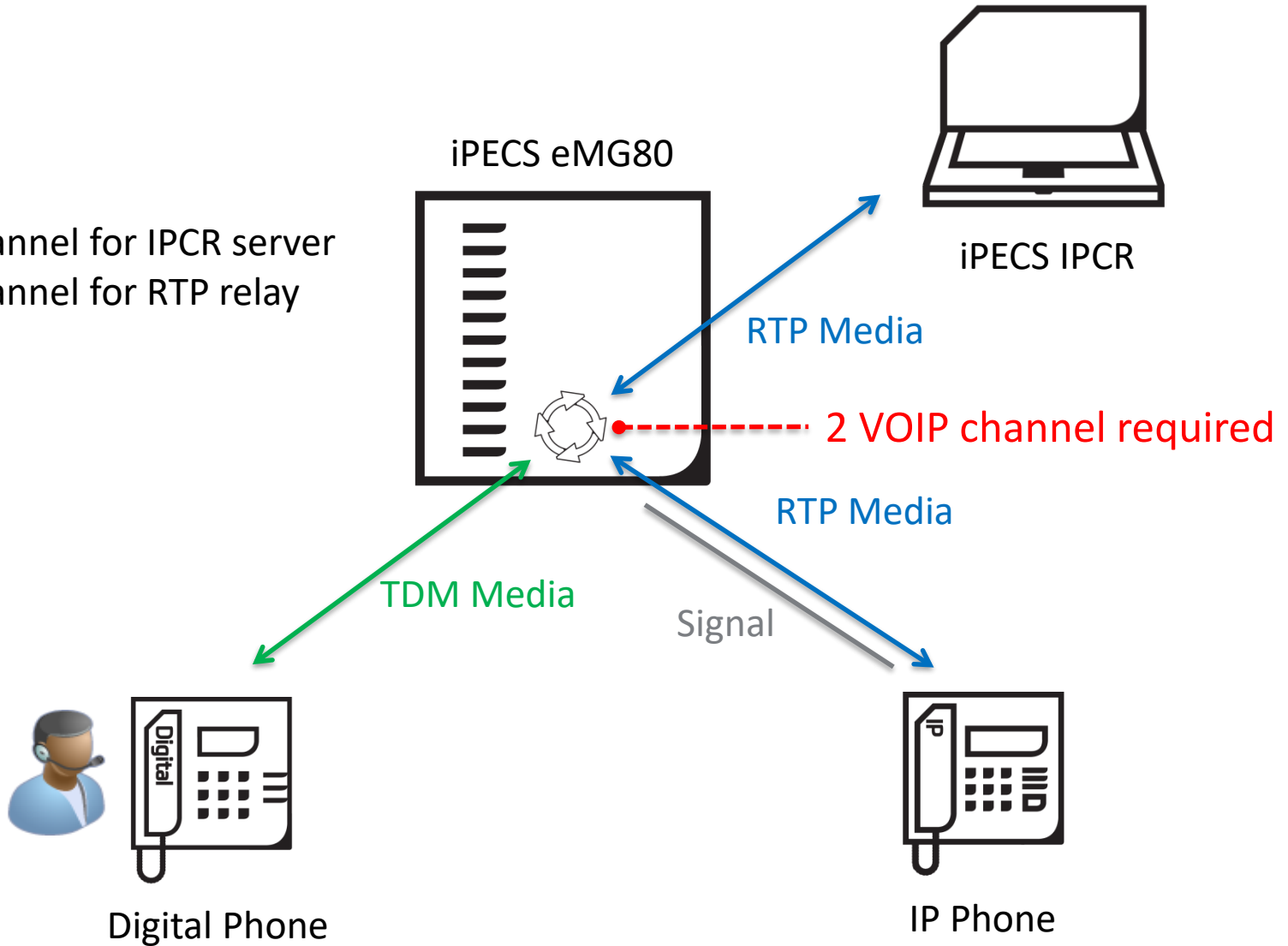
IPCR Agent Rec: DKT to DKT

- 1 VOIP channel for IPCR server



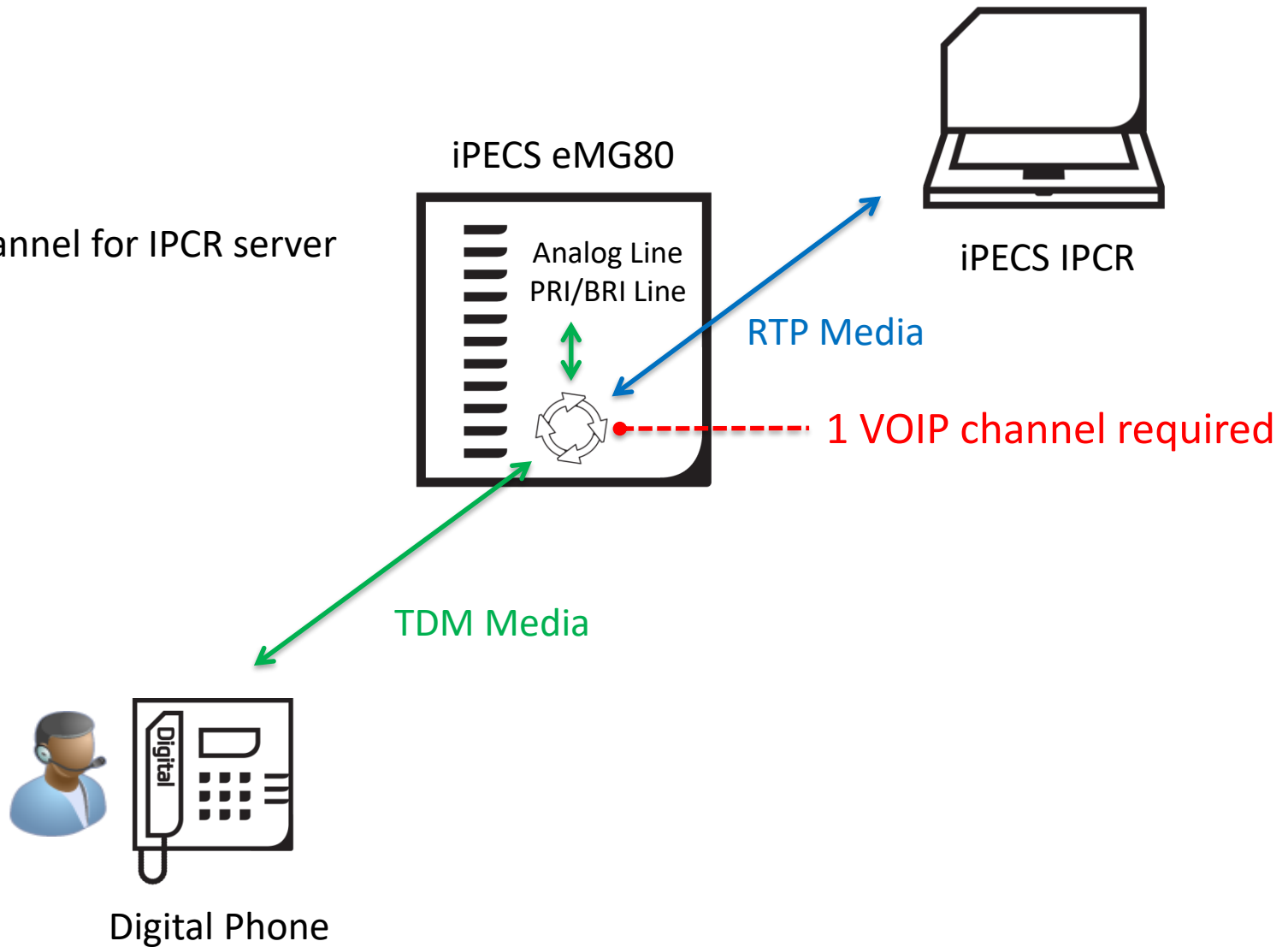
IPCR Agent Rec: DKT (Agent) to IP Phone

- 1 VOIP channel for IPCR server
- 1 VOIP channel for RTP relay



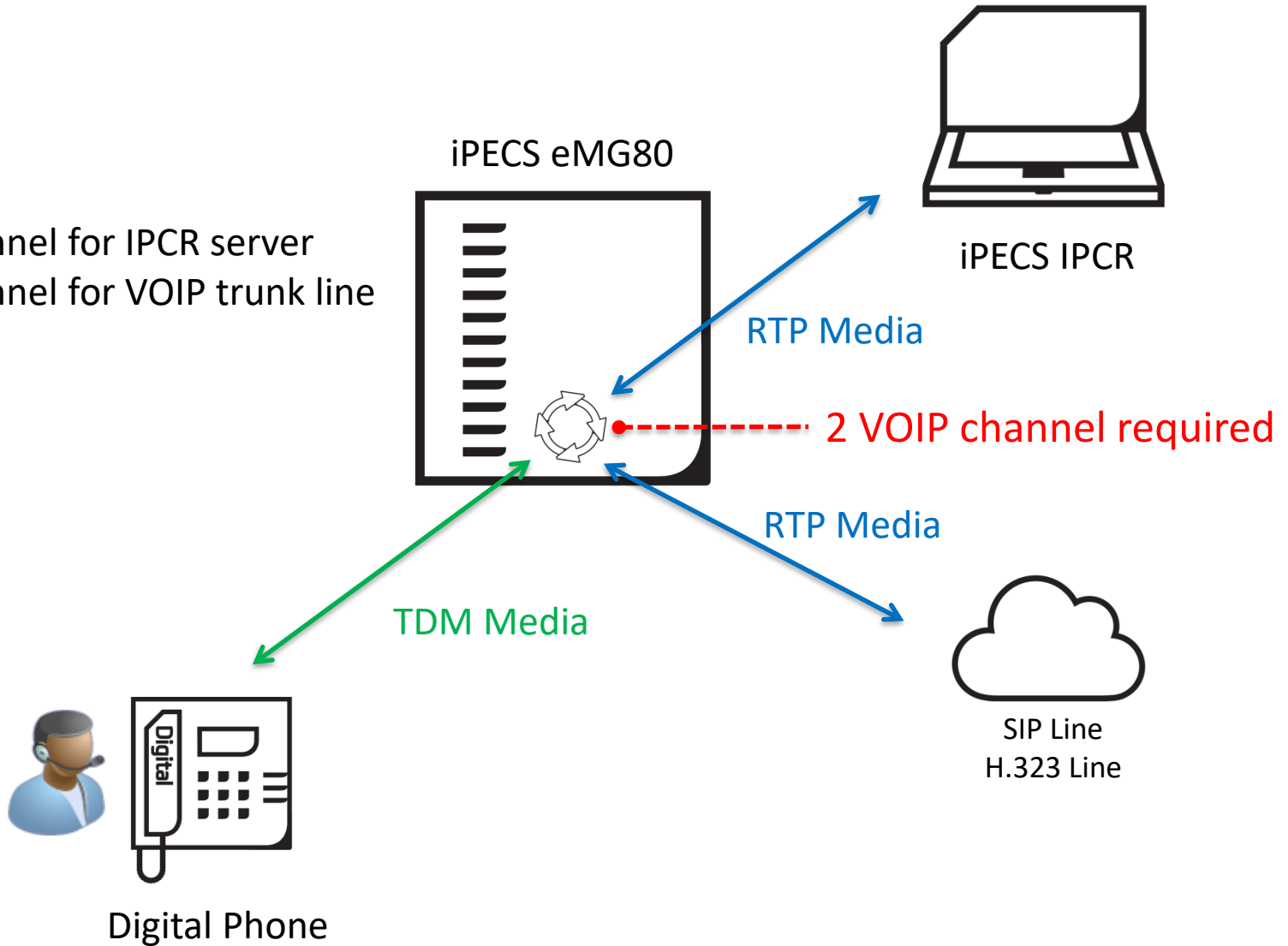
IPCR Agent Rec: DKT to TDM Trunk

- 1 VOIP channel for IPCR server



IPCR Agent Rec: DKT to VOIP Trunk

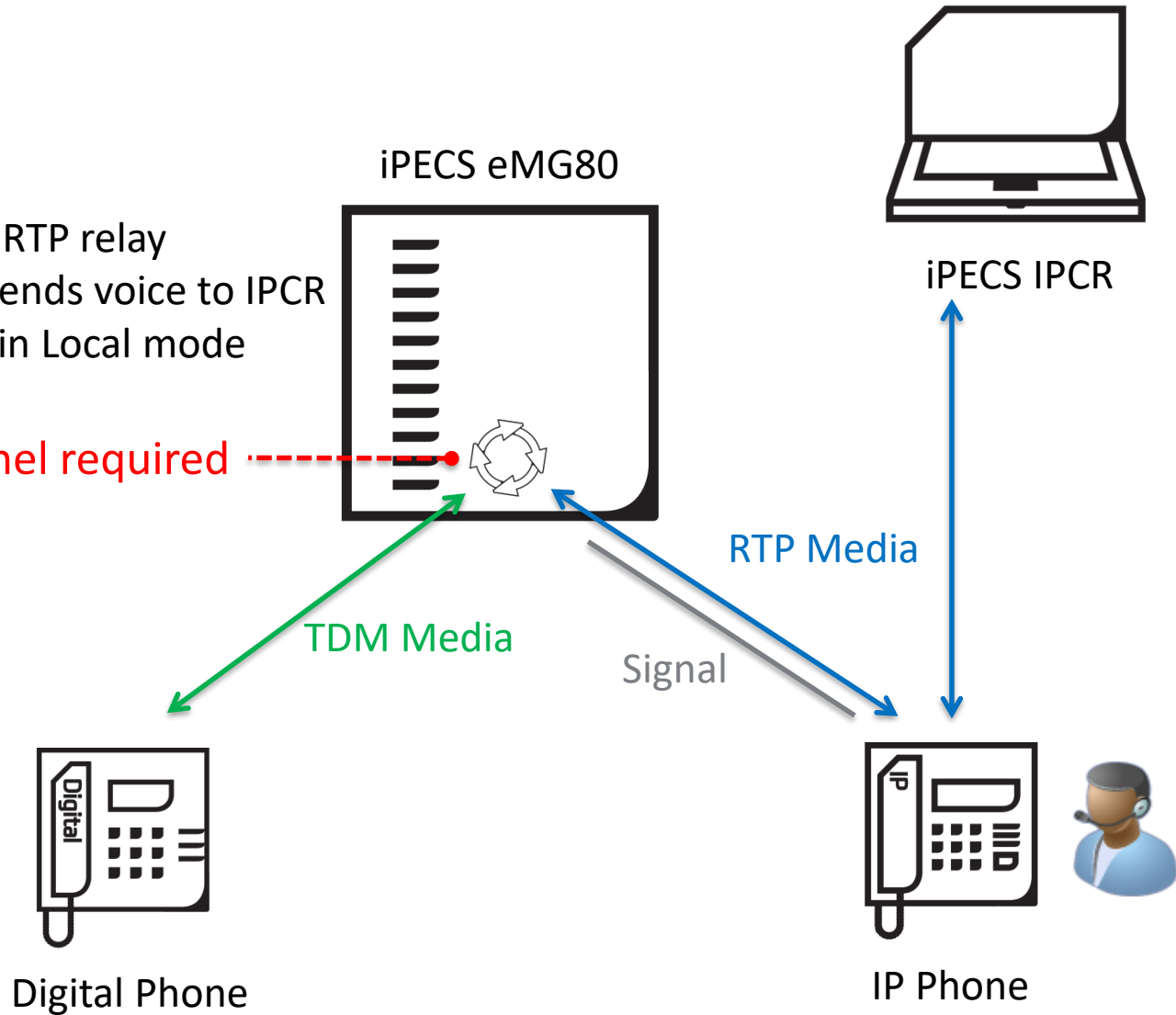
- 1 VOIP channel for IPCR server
- 1 VOIP channel for VOIP trunk line



IPCR Agent Rec: IP Phone (Agent) to DKT

- 1 VOIP channel for RTP relay
- IP phone mixes & sends voice to IPCR
- IP phone and IPCR in Local mode

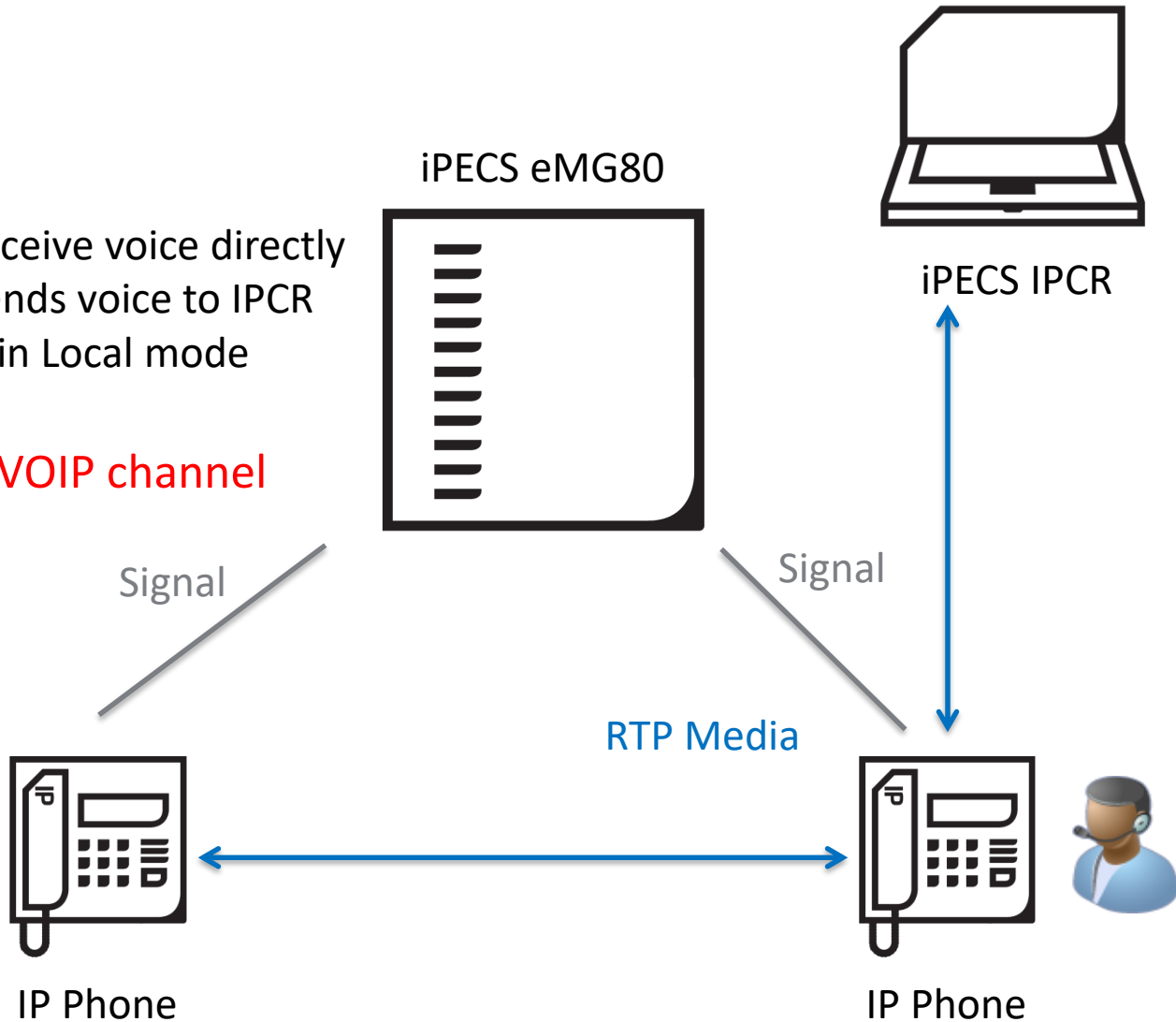
1 VOIP channel required



IPCR Agent Rec: IP Phone to IP Phone

- IP phones send & receive voice directly
- IP phone mixes & sends voice to IPCR
- IP phones and IPCR in Local mode

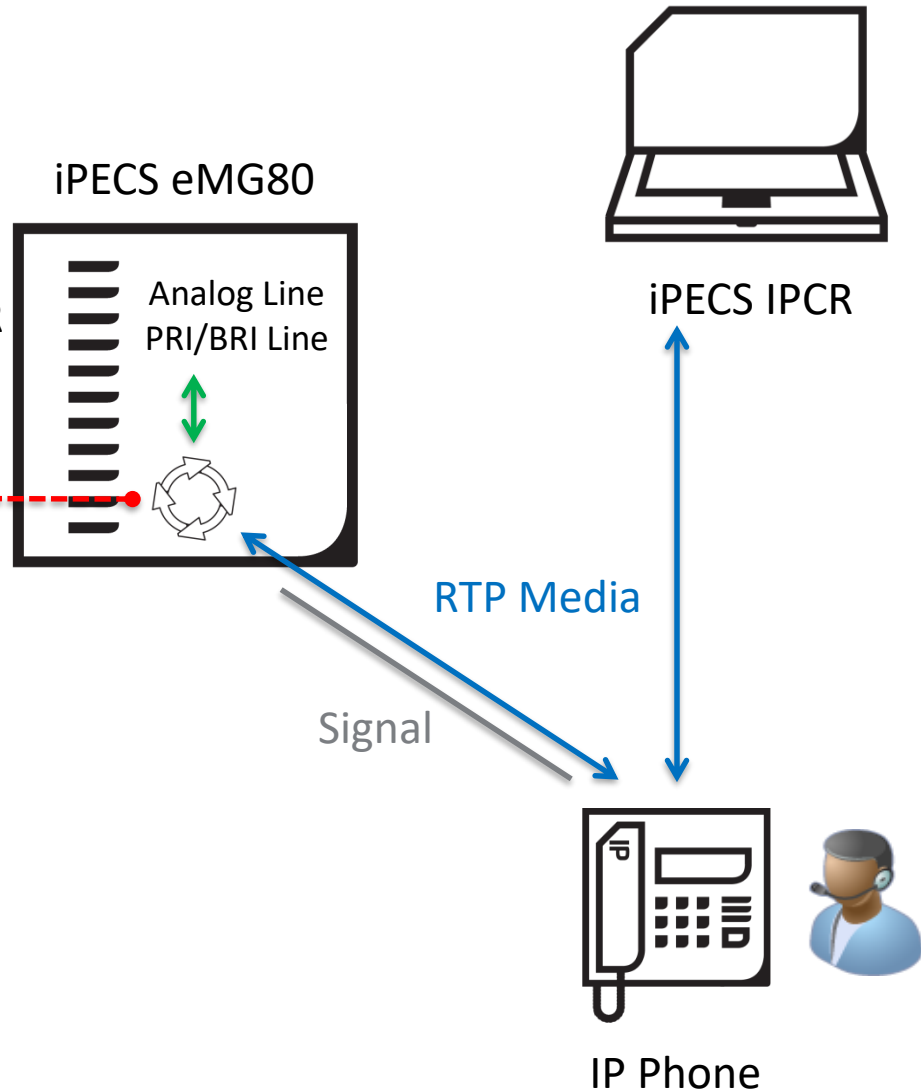
*** Not use VOIP channel**



IPCR Agent Rec: IP Phone to TDM Trunk

- 1 VOIP channel for RTP relay
- IP phone mixes & sends voice to IPCR
- IP phone and IPCR in Local mode

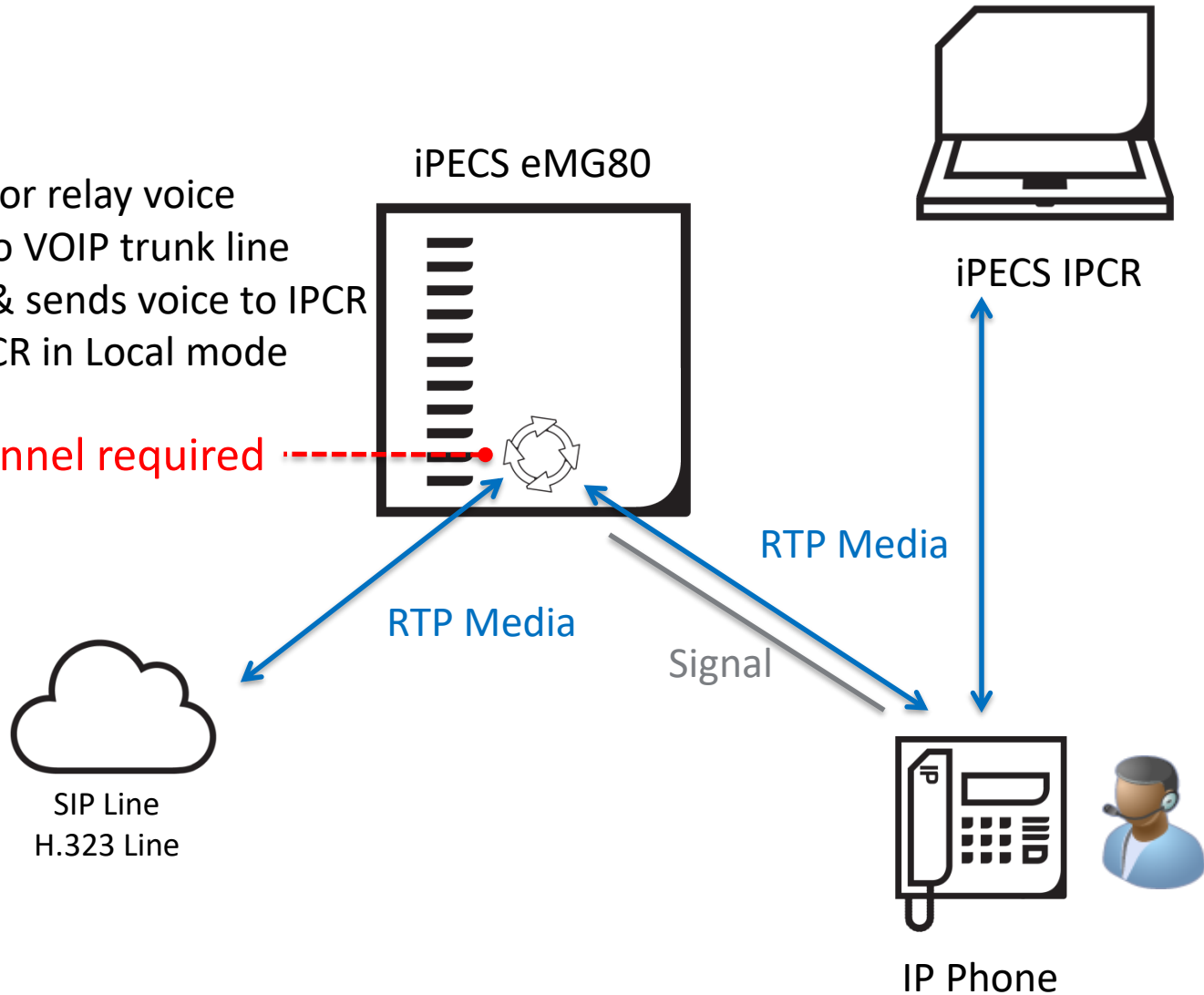
1 VOIP channel required



IPCR Agent Rec: IP Phone to VOIP Trunk

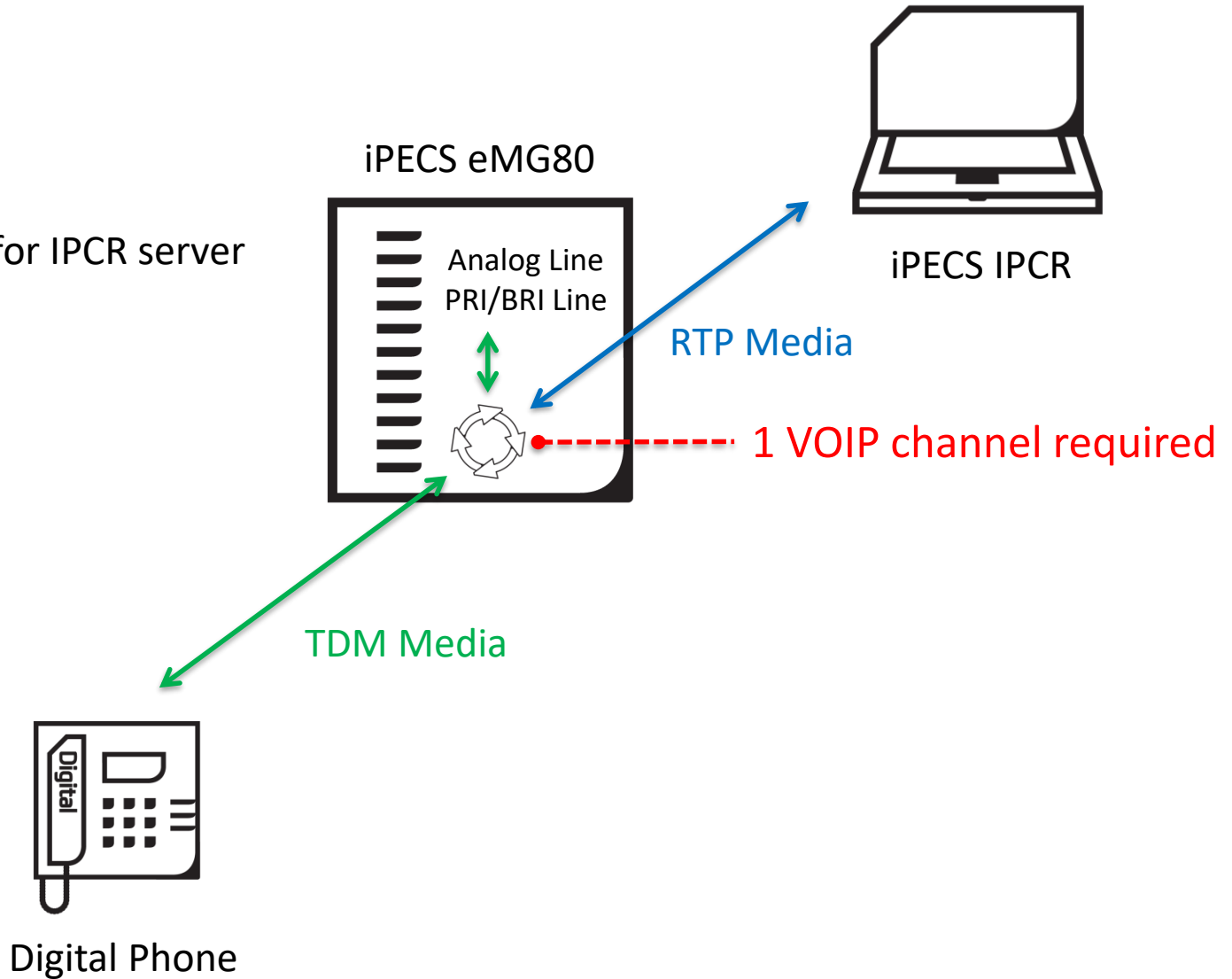
- 1 VOIP channel for relay voice from IP Phone to VOIP trunk line
- IP phone mixes & sends voice to IPCR
- IP phone and IPCR in Local mode

1 VOIP channel required



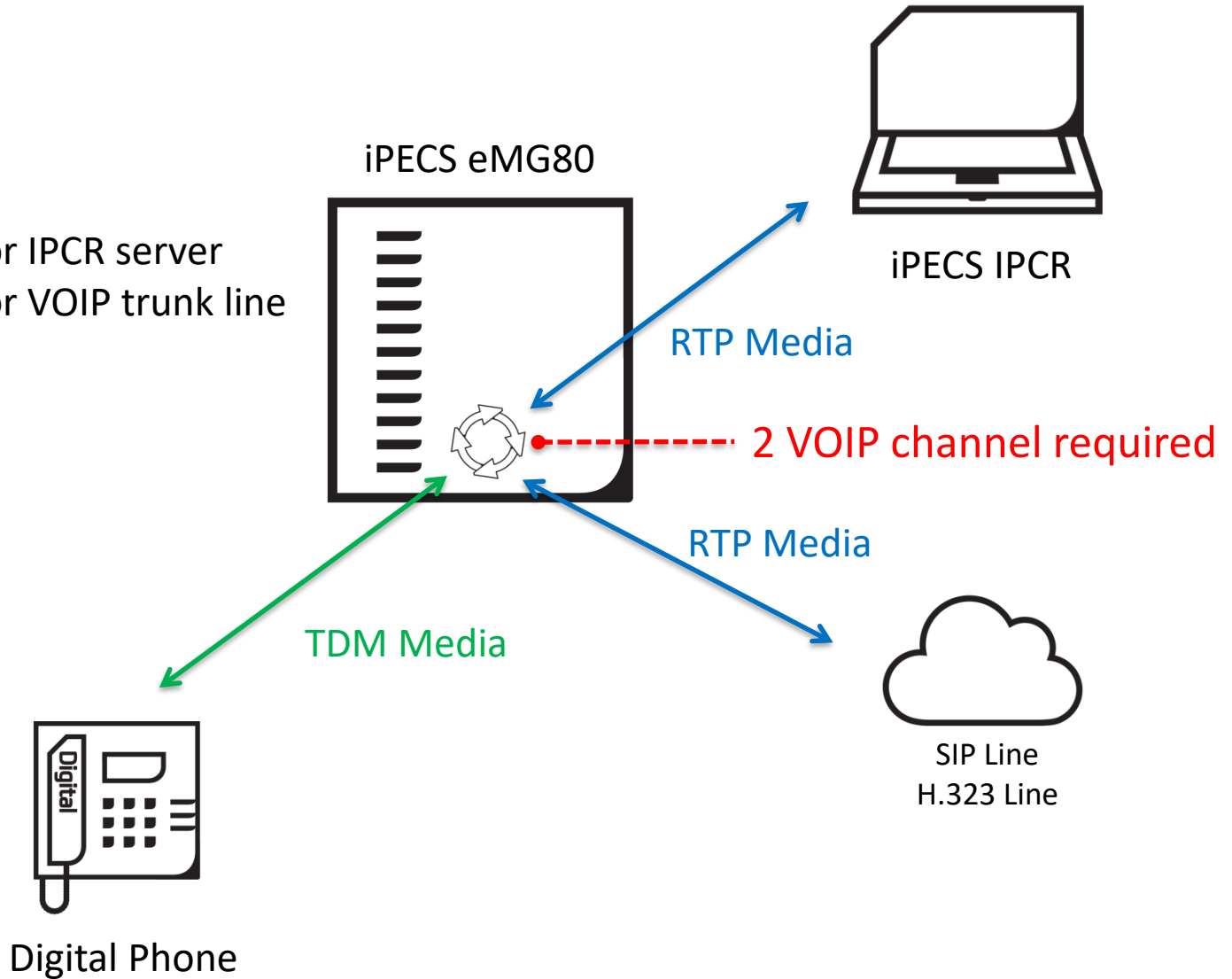
IPCR Trunk Rec: DKT to TDM Trunk

- 1 VOIP channel for IPCR server



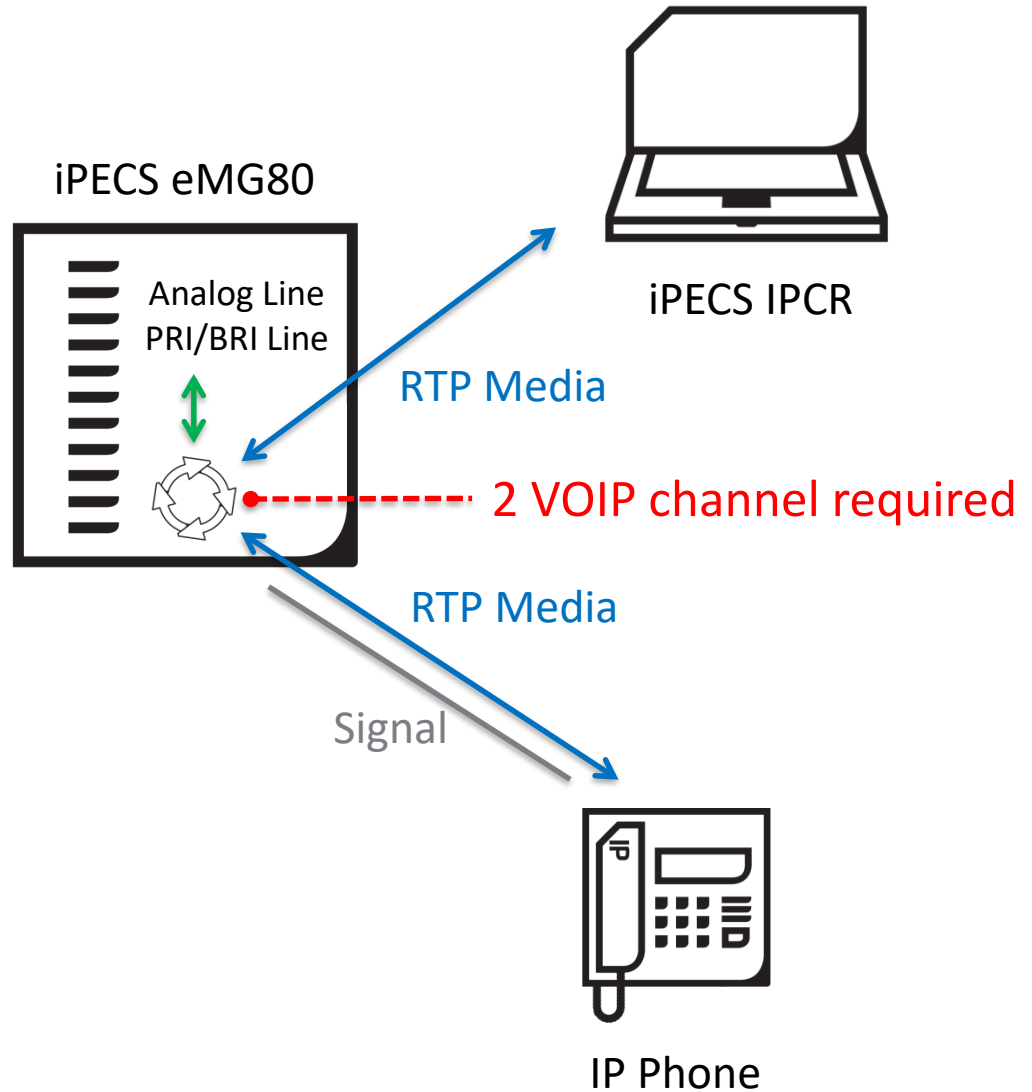
IPCR Trunk Rec: DKT to VOIP Trunk

- 1 VOIP channel for IPCR server
- 1 VOIP channel for VOIP trunk line



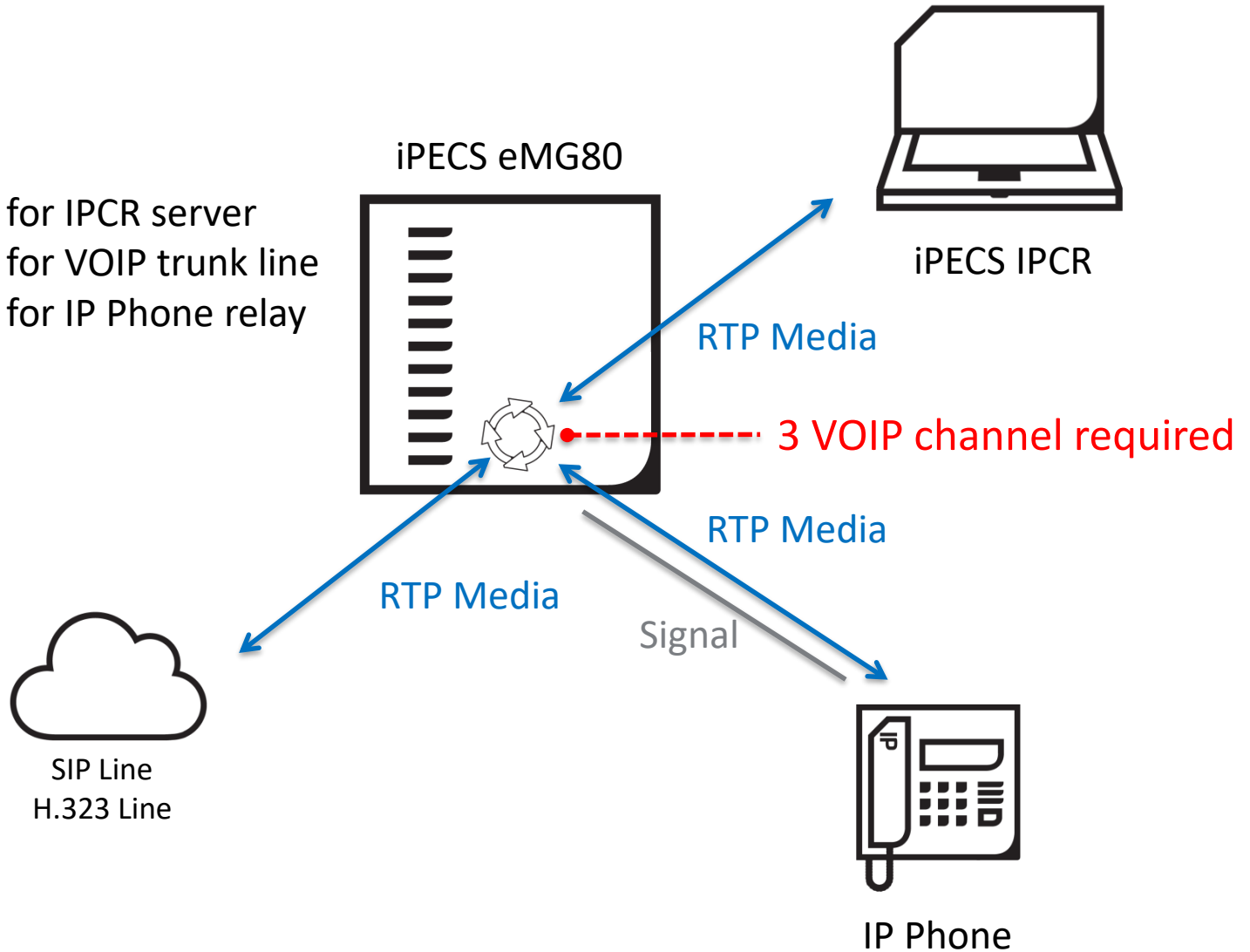
IPCR Trunk Rec: IP Phone to TDM Trunk

- 1 VOIP channel for IPCR server
- 1 VOIP channel for IP Phone relay



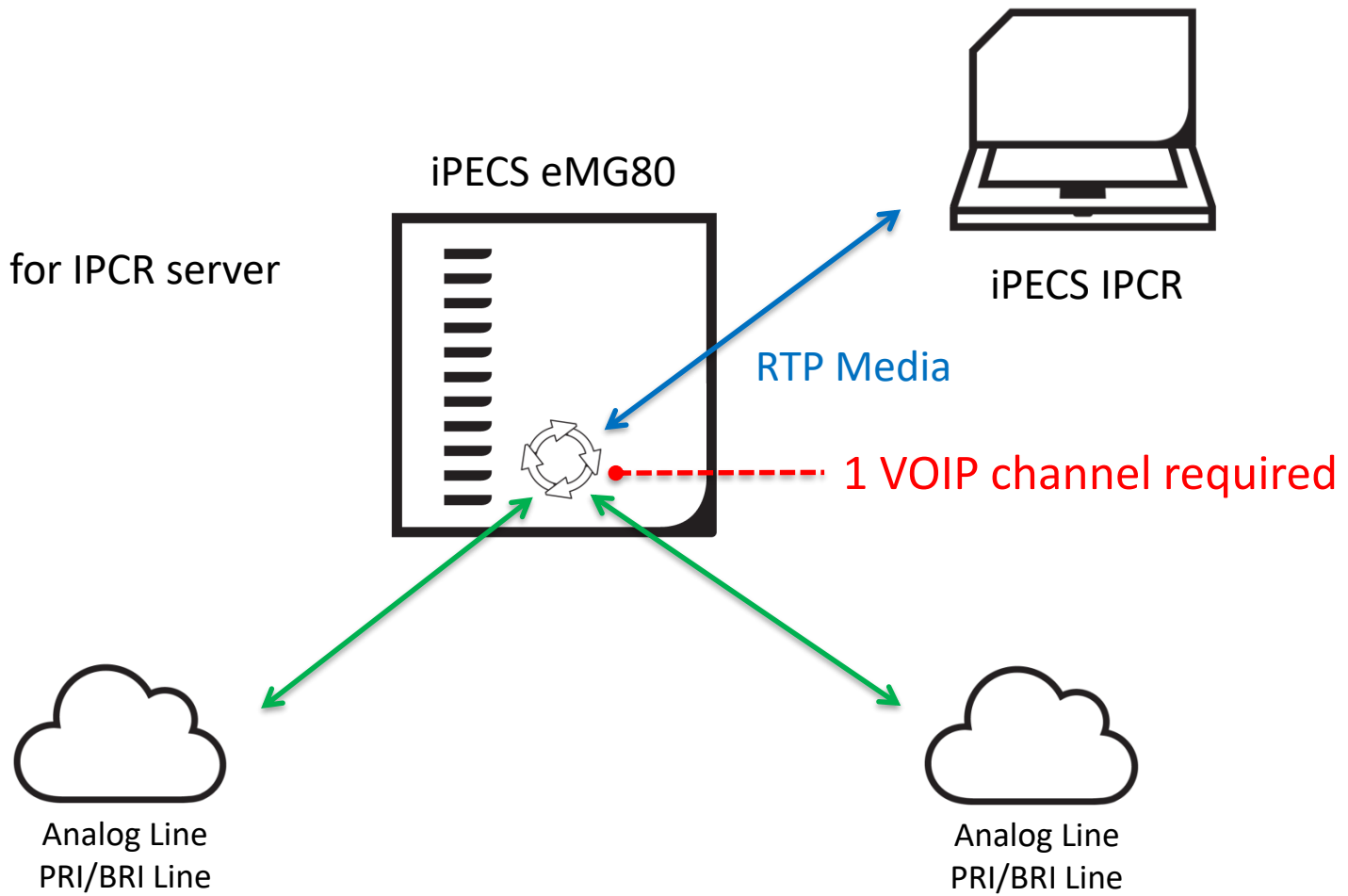
IPCR Trunk Rec: IP Phone to VOIP Trunk

- 1 VOIP channel for IPCR server
- 1 VOIP channel for VOIP trunk line
- 1 VOIP channel for IP Phone relay



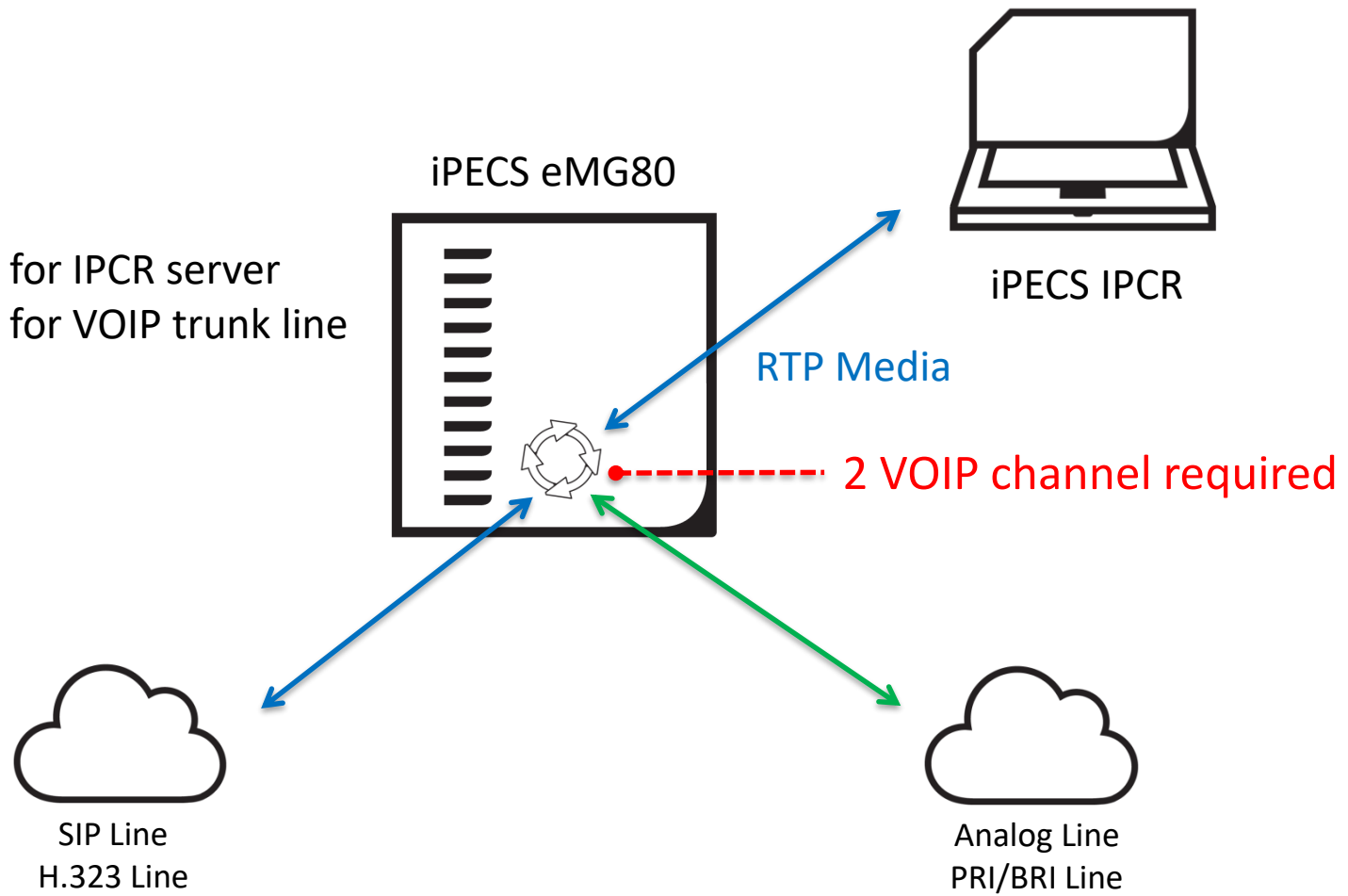
IPCR Trunk Rec: TDM Trunk to TDM Trunk

- 1 VOIP channel for IPCR server

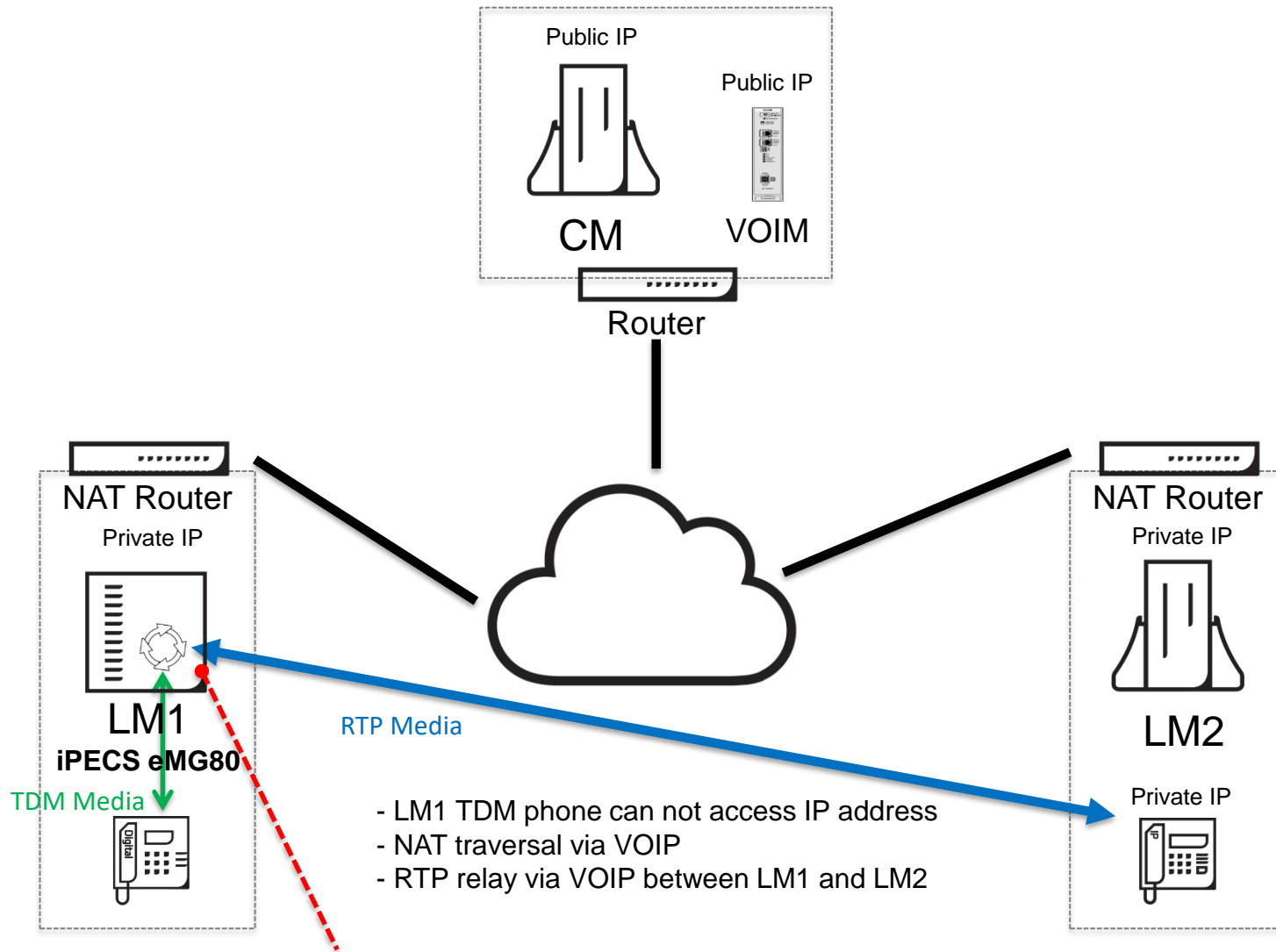


IPCR Trunk Rec: VOIP Trunk to TDM Trunk

- 1 VOIP channel for IPCR server
- 1 VOIP channel for VOIP trunk line

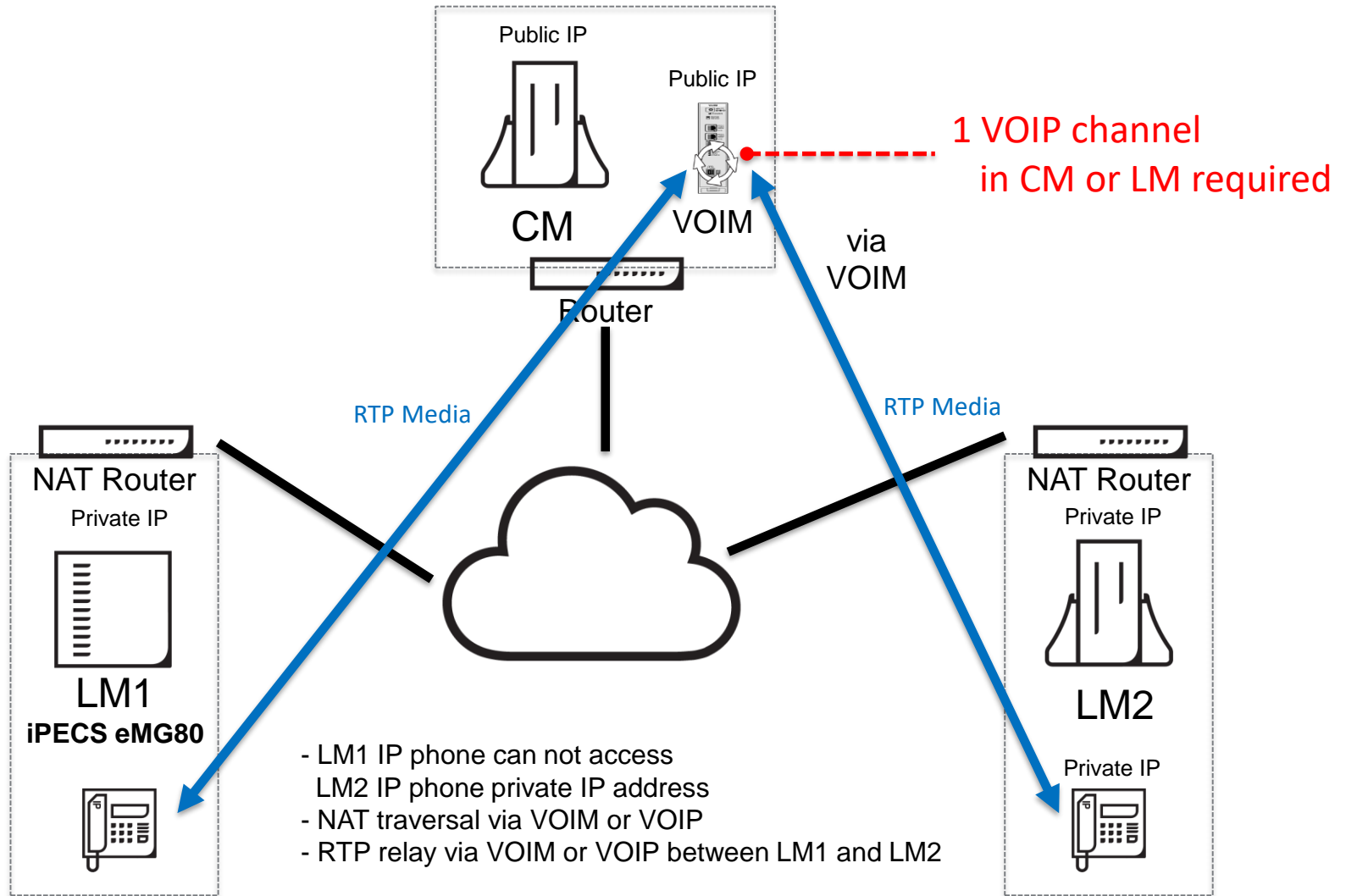


TNET: TDM Phone



1 VOIP channel required

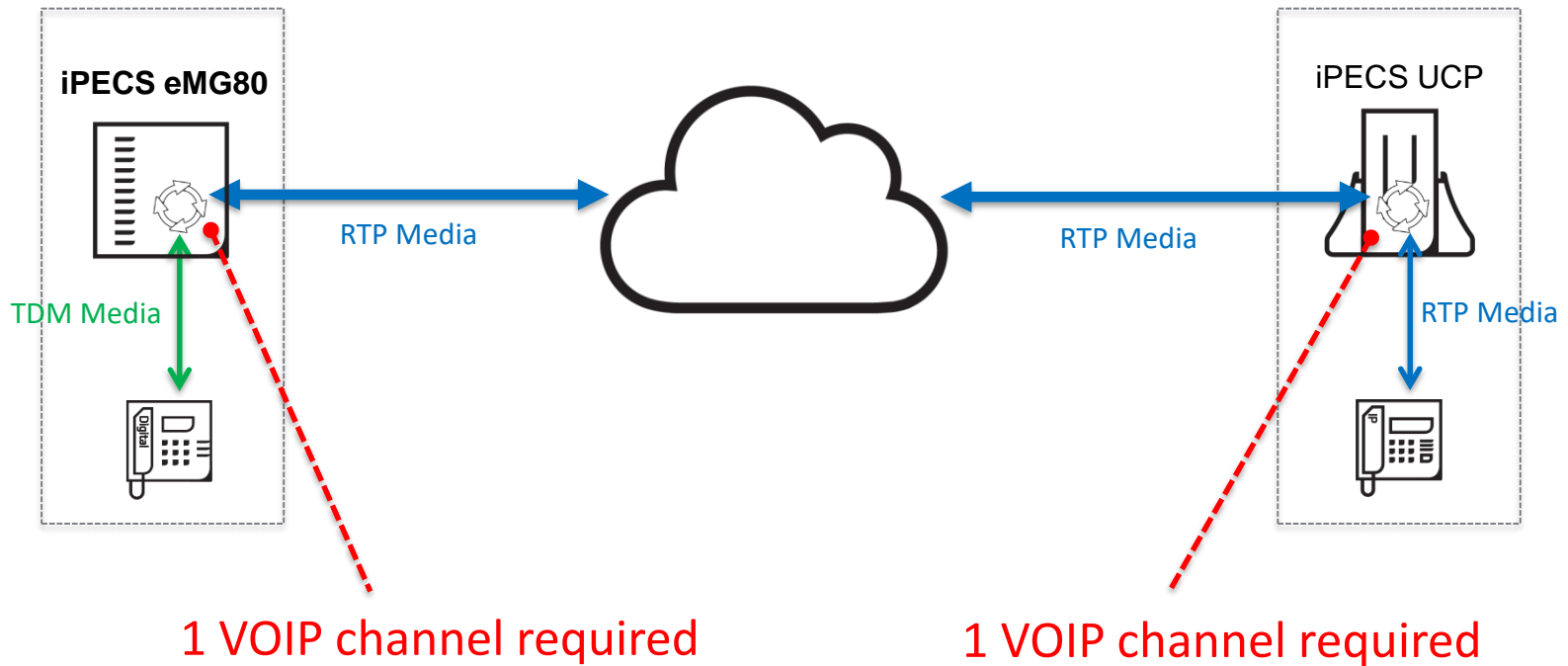
TNET: IP Phone



* Not use VOIP channel in eMG80 when VOIP channel in CM or LM2 used

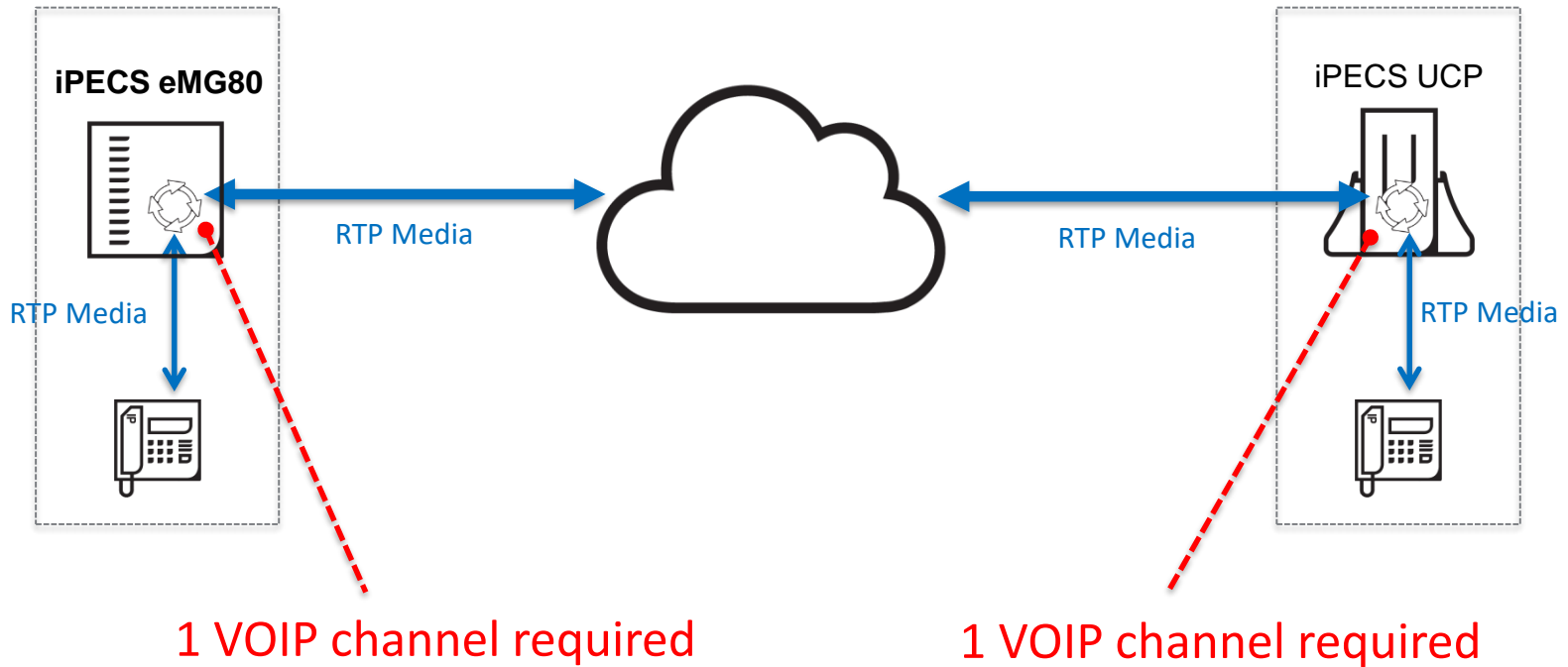
Networking: TDM Phone

- 1 VOIP channel for Networking in eMG80
- 1 VOIP channel for Networking to RTP relay in UCP



Networking: IP Phone

- 1 VOIP channel for Networking to RTP relay in eMG80
- 1 VOIP channel for Networking to RTP relay in UCP





iPECS

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