



**ACCORD**

The Next Generation

# Digital EPABX Systems ADX 600 (N)

Redundant / HSB : CPU & Power Supply

PRI / IP / Magneto / TWT / GSM Card

Real Time Instant Fault Detection (System Health Monitoring) with SMS alert

Field Programmable Universal Ports Card : FXS | FXO | Magneto | TWT

Radios Interoperability (CNR) Optional

Upto 12 Km. Long Distant Extensions Analog Phones

Compact Size : 3U, 19 inch Rack Mountable, Light Weight : 25 Kg appx.

All India Service Backup

**Indigenously Designed Developed and Manufactured (IDDM)**



Trust of Millions & Millions..  
Since 27 Years | 1990

**ACCORD Communications Ltd. : Telecom Division**

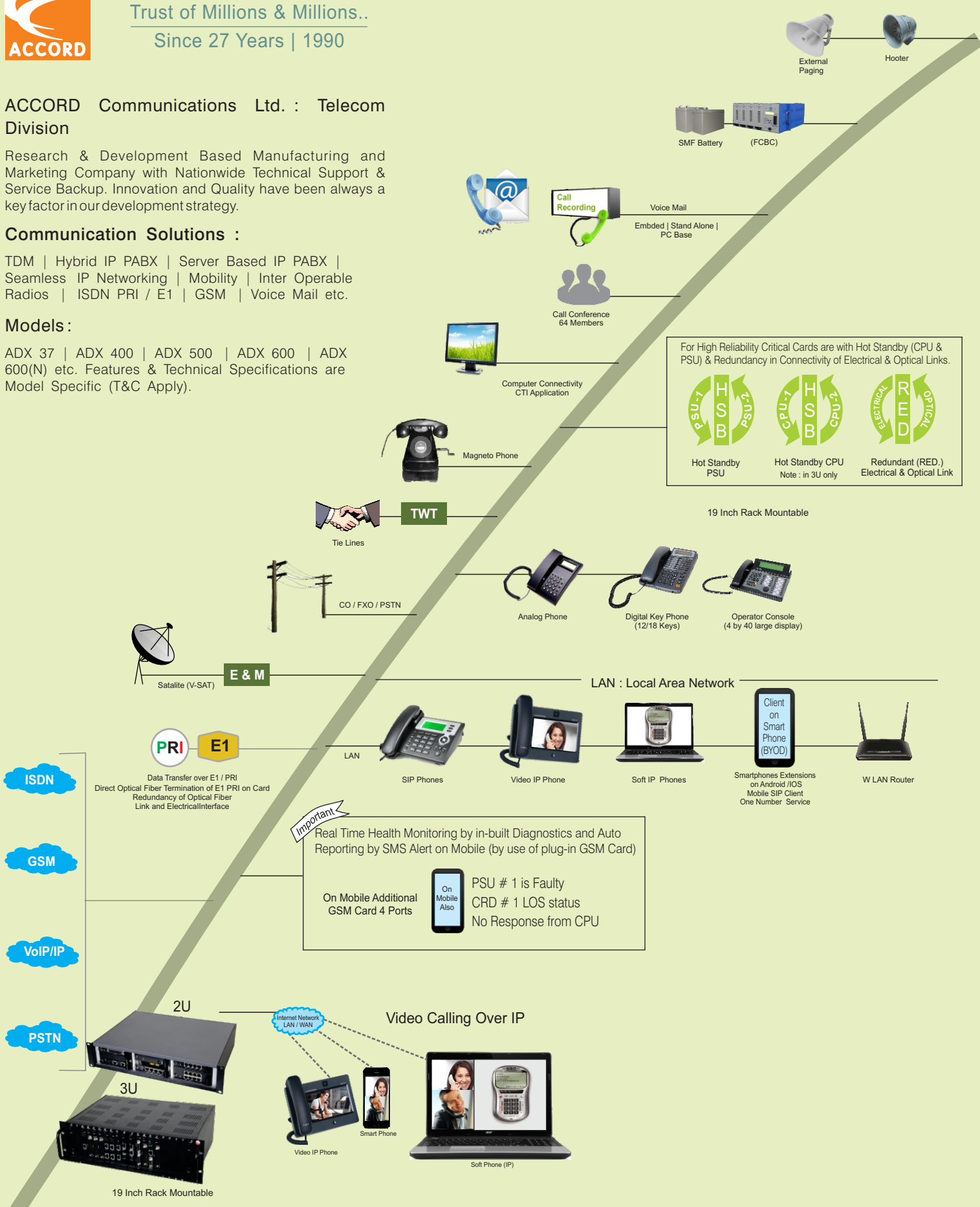
Research & Development Based Manufacturing and Marketing Company with Nationwide Technical Support & Service Backup. Innovation and Quality have been always a key factor in our development strategy.

**Communication Solutions :**

TDM | Hybrid IP PABX | Server Based IP PABX | Seamless IP Networking | Mobility | Inter Operable Radios | ISDN PRI / E1 | GSM | Voice Mail etc.

**Models :**

ADX 37 | ADX 400 | ADX 500 | ADX 600 | ADX 600(N) etc. Features & Technical Specifications are Model Specific (T&C Apply).



- ISDN
- GSM
- VoIP/IP
- PSTN

**PRI E1**  
Data Transfer over E1 / PRI  
Direct Optical Fiber Termination of E1 PRI on Card  
Redundancy of Optical Fiber Link and Electrical Interface

**Important**  
Real Time Health Monitoring by in-built Diagnostics and Auto Reporting by SMS Alert on Mobile (by use of plug-in GSM Card)

On Mobile Additional GSM Card 4 Ports

On Mobile Also  
PSU # 1 is Faulty  
CRD # 1 LOS status  
No Response from CPU

For High Reliability Critical Cards are with Hot Standby (CPU & PSU) & Redundancy in Connectivity of Electrical & Optical Links.

Hot Standby PSU  
Hot Standby CPU Note : in 3U only  
Redundant (RED.) Electrical & Optical Link

2U  
3U  
19 Inch Rack Mountable

Internet Network LAN / WAN  
Video Calling Over IP  
Video IP Phone  
Smart Phone  
Soft Phone (IP)

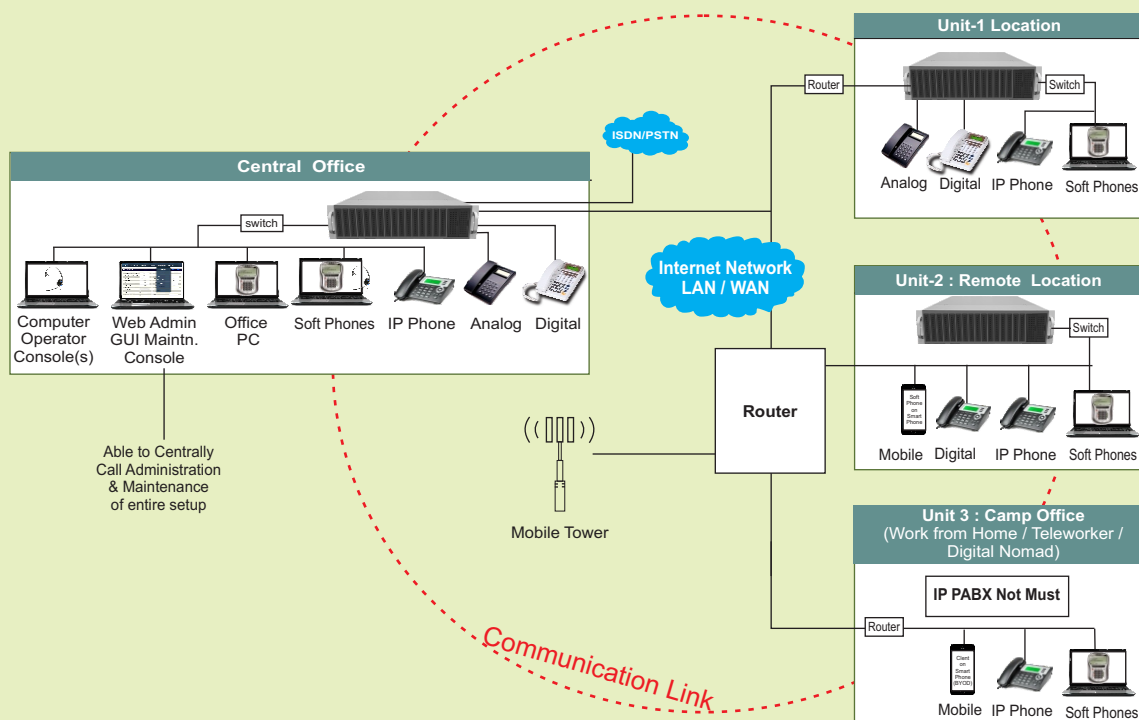
19 Inch Rack Mountable

# Stronger and Smarter Field Communications

Defence | Para Military | Home Land Security | Mining | Railways

1. Real Time Health Monitoring by in-built Diagnostics and Auto Reporting by SMS Alert on Mobile (by use of plug-in GSM Card). Message displayed are like :  
PSU # 1 is Faulty | CRD #1 LOS status | No Response from CPU
2. Exclusive Software Defined Universal Port Card (SDU Card) for Analog connections to function as FXS or FXO or TWT or Magneto as per user requirements. This is a Single Board Plug-in Card Solution that Effectively Control Inventory.
3. Inbuilt Feature in each Extension Card of Accord to Support Extra Long Distant Telephones. Also each Port is capable of sensing the Cable Loop length that enables Analog Extensions to work upto 12 Km.
4. Smart Energy Efficient Design which automatically senses Short Loop and Long Loop Currents, which provides (a) Extra Battery Backup Time (b) Longer Battery Life. (c) Low power consumption hence saving of electricity bill.
5. All Critical Cards and connectivity are with Redundancy / Hot Standby for High Reliability :  
CPU, PSU, Electrical & Optical Links.
6. Transparent Networking between multiple locations using TWT on single pair of Copper wire using MFC Signaling.
7. Outstanding Advantages of Accord E1/PRI Card
  - a. Direct Optical Fiber Termination on E1 PRI on Card
  - b. No Additional Electrical to Optical Converter & its Power Back up required
  - c. Redundancy of Link between Fibre Optical and Electrical Interface
  - d. Data Transfer over E1 / PRI by Ethernet Mapper Card (Optional)
8. Plug-in PoE Ethernet Switch card for connecting IP Security Devices viz. IP Cameras, IP Door Phone, Access Control etc.
9. Same Platform is upgradable to Media Gateways / RLU's with Standard multiple Servers based IP Switch for Remote Survivability.
10. Vehicle Mounting Kit (optional)

## Multi Location Seamless Connectivity by IP Network / Optical Fiber / WiFi (That brings huge Cost Savings of Copper Cables)



# ACCORD Digital EPABX : ADX 600 (N) : Technical Parameters

## Technology :

- Non-Blocking & Fully distributed Architecture for System Processing & Switching.
- The CPU supports IP
- IP + Digital + Analog + Mobility
- Highly Cost Effective smooth migration from legacy TDM EPABX System to mixed IP Network (TDM +IP) right from POTS, PSTN, ISDN, E&M, TWT, Radio Interface, E1/PRI, GSM to IP etc.
- Session Initiation Protocol (SIP) & SIP (RFC3261) compliance devices supported

## System & Maintenance:

- Auto health monitoring over SMS Messages
- Field upgradable by use of Add on Cards.
- Hot Swapable Cards
- Provision of taking Backups of Internal &

## External Call Details and Programming.

- Built-in protection on all ports.
- User friendly Graphical User Interface

## Power Supply:

- Low power consumption by use of high efficiency power circuit and control units.
- Industrial grade components for very high MTBF.
- Protection against transients on each line.
- AC Operation : 230 V ± 20% AC
- DC Operation : 36V – 60V
- Power Consumption : 1.0 W/Line

## Technical Parameters

Switching : TDM / PCM  
Speech Links : 100% Non-blocking

## Extension Voltage : 48V DC

## Decadic Dialing :

- Pulse Rate- 10 PPS
- Make Break Ratio - 1:2
- Inter Digit time : 650 ms min

## Line Characteristics :

- Loop resistance for station : 1200/3000 Ohm
- Loop resistance for trunk : 1500 Ohm
- Return Loss -> 0.8 db

## Idle Noise Characteristics : -60dbm

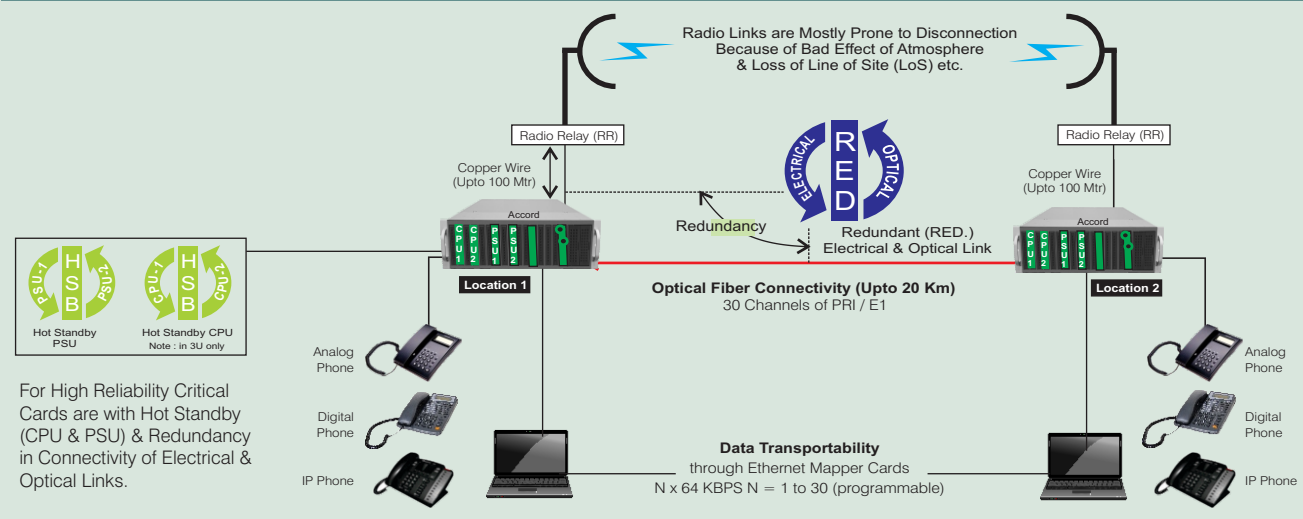
## Ringer Voltage : 75V AC, 20 (Programmable)

**Protocols:** DTMF & Loop Dial | E1 CAS | MFC R2 | ISDN QSIG | SIP | TCP/IP | UDP | RTP | RTCP | NTP | SNTP

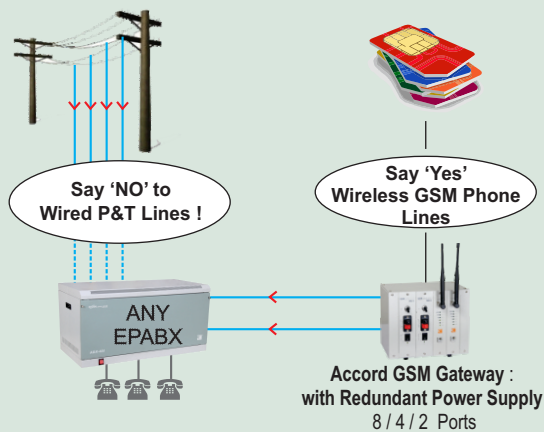
## Environmental Data:

Temp Range : -20°C to +40°C, R.H : 0-90%

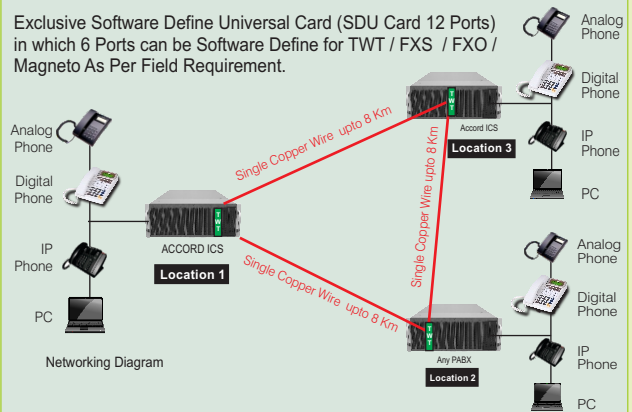
## Multi Locations Connectivity by ACCORD E1 / PRI Card with Optical Link Solution



## Wireless GSM Phone Lines Connectivity (Optional)



## Transparent Networking Between Multiple Locations Using TWT on Single Pair of Copper Wire Using MFC Signaling



ISO 9001-2015

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Guwahati | Dimapur | Silchar | Bhubaneswar | Ahmedabad



## Institutional Dealer (Sales & Service)

Note : 1. Above features and specifications are model specific and subject to change without prior notice because continuous technological upgradations etc. 2. Ask for feature and specification of specific model, if required. 3. Some of the features mentioned are not part of standard equipped and are available at extra cost. 4. Some of the features are tone / input singles sensitive and depend on availability of service, its quality and line conditions on the telecom network. 5. Company provides offsite warranty as per norms applicable. 6. Logo / Trademark are the proprietary of the respective owners. 7. Actual Product may differ from the photograph shown. 8. T & C apply.

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