

360-80 Intelligent Channel Bank™

Low-profile, high-density access device supports multiple voice and data channels over T1/E1 or HDSL

Charles Industries' 360-80 Intelligent Channel Bank (ICB) enables you to affordably and effectively manage T1/E1 voice and data services. With its advanced design and multi-service compatibility, the 360-80 ICB maximizes T1/E1 services while minimizing installation, maintenance and support costs. A complete line of voice and data channel modules allows this compact (1 rack unit) channel bank to support current and future T1/E1 needs in a variety of customer environments, including service providers, medium to large enterprises, utilities, railroads, and wireless carriers.



360-80 Intelligent Channel Bank

Features

Flexible

- 15 different voice and data modules available
- Supports T1/E1 or HDSL/HDSL 2 transport
- Temperature hardened for remote and outdoor applications
- Desk, wall, rack (19" or 23") or pedestal mounting options
- Supports 2-wire and 4-wire circuits
- Supports Type I, II, III, IV and V E&M signaling

Compact

- Integrated equipment in a 1 rack unit profile
- Enclosure accepts full and half-size voice and data channel modules, providing cost savings for deployment of special services

Intelligent

- Ease of installation, configuration and monitoring reduces training and service costs
- Choice of management options include SNMP, GUI or Craft
- Channel-by-channel configuration
- Remote monitoring and provisioning

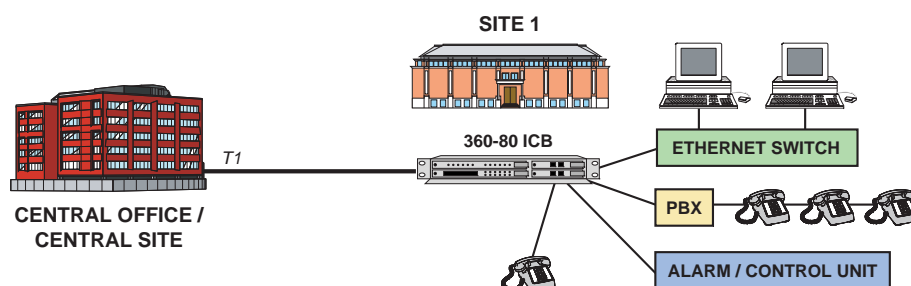
Reliable

- Onboard power supply in each card eliminates single point of failure
- 24/7 technical assistance
- Application engineering available

Applications

- Provide toll-quality voice and high-speed data services to customers
- Create Local Area Networks (LAN) within small, medium and large enterprises; or Wide Area Networks (WAN) between corporate branch offices or campus buildings
- Transport high-density voice between cell towers and central offices
- Automate remote power substations with station phones and monitoring equipment
- Link stations together using drop and insert
- Replace legacy channel banks to save space
- 12 port modules are ideal for high-density applications of any service type

Typical enterprise configuration using Router and FXS modules



Available Channel Modules

The 360-80 ICB accepts 2 full-size and 1 half-size channel modules (1 of the 2 half-size slots on the ICB must be used for a T1/E1 controller module).

Voice (Analog) Modules

- FXS/DPO
12 channels (full-size), 6 channels (half-size)
- FXO/DPT
12 channels (full-size), 6 channels (half-size)
- E&M/TO
12 channels (full-size), 6 channels (half-size)
- MRD
12 channels (full-size)

Data (Digital) Modules

- Router
Single Ethernet port (full-size only)
- OCU/DP
12 channels (full-size), 6 channels (half-size)
- DSU/DP
12 channels (full-size), 6 channels (half-size)
- ISDN
4 channels (full-size), 2 channels (half-size)
- 56/64xN
6 channels (full-size), 3 channels (half-size)

Power Supply

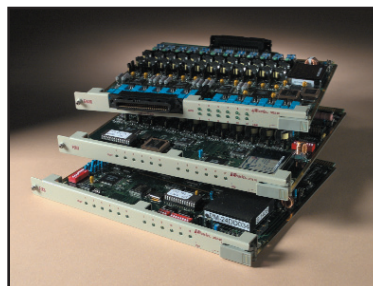
- 120/240 VAC to -48 VDC power supply

T1 Controller Modules

- T1 Controller
Required for normal T1 operation (half-size)
- Secondary T1 Controller
Optional controller for redundancy and Drop & Reinsert applications (half-size)

E1 Controller Modules

- E1 Controller
Required for normal E1 operation (half-size)
- Secondary E1 Controller
Optional controller for redundancy and Drop & Reinsert applications (half-size)



Each channel on a module may be independently configured

Specifications

Dimensions:

ICB Enclosure	Full-Size Channel Modules	Half-Size Channel Modules
Height: 1.75"	Height: .75"	Height: .75"
Width: 17.00"	Width: 9.50"	Width: 5.50"
Depth: 12.00"	Depth: 9.25"	Depth: 9.25"

Operating Environment:

Temperature	-40° to +149° F (-40° to +65° C)
Humidity	to < 95%

Power Requirements:

-42V to -56V input voltage range

Compliances:

UL 60950
CSA
FCC: Part 15, Class A and Part 68
NEBS Level 1

Standard Warranty:

2 years, parts and labor



With Charles, You Can Depend On:

- Field-proven and unequalled 24-hour technical support
- Individualized application consultation
- Training courses available

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