

## Digium Wildcard TE820 PCI Express ISDN PRI Card with Echo Cancellation (1TE820BF)



Product Name: Digium Wildcard TE820 PCI Express ISDN PRI Card with Echo Cancellation (1TE820BF)  
 Manufacturer: Sangoma  
 Model Number: 1TE820BF

Please Note: This is a PCI Express Card. Please make sure your motherboard/server is compatible with this product.  
[View PCI vs PCI-Express example](#)

Digium Wildcard TE820 PCI Express ISDN PRI Card with Echo Cancellation (1TE820BF)  
 The Digium Wildcard TE820 PCI Express ISDN PRI Card with Echo Cancellation (1TE820BF) is built exclusively for high-density Asterisk® applications that require high-performance, cost effective digital connectivity.

The Digium Wildcard TE820 PCI Express ISDN PRI Card with Echo Cancellation (1TE820BF) includes eight independently software-selectable digital telephony interfaces, supporting up to 192 channels (in T1/J1 mode) or 240 channels (in E1 mode) — the highest single-card port density available for use with Asterisk. The TE820 seamlessly interconnects traditional telephony systems with Voice over IP (VoIP) technologies at the lowest per-port price on the market today.

Digium Wildcard TE820 PCI Express ISDN PRI Card with Echo Cancellation (1TE820BF) card supports industry standard telephony protocols, including multiple variants of Primary Rate ISDN. Each span can be configured as either CPE or network for optimal flexibility. The optional VPMOCT256 hardware echo cancellation module, based on the industry-leading Octasic chipset, offloads the task of echo cancellation from the CPU, increasing overall system performance and call quality.

The TE820 card has been designed to be fully compatible with existing software applications and is fully integrated with Digium's Asterisk® software. The open source drivers for Digium cards support an application programming interface (API) for custom application development. The combination of Digium hardware and Asterisk software provides a cost effective platform for building numerous communications solutions, from PBX system and VoIP gateways to call centers and complete unified communications suites. Digium solutions are paving the way for a new generation of worldwide communications.

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 Features

- Up To Eight (8) T1, E1 or J1 interfaces\*
- Up to 192 (T1/J1) or 240 (E1) simultaneous calls
- Interfaces are software selectable (T1, E1 or J1 Mode)
- Half-length, full-height PCI-Express card
- Optional 128ms hardware echo cancellation module
- \*4 RJ-45 connectors, each supporting two circuits. Break-out dongles are included.

### Target Applications

- Enterprise Phone Systems
- Enterprise IVR Servers
- High-density VoIP gateway systems
- High-density conferencing systems
- Carrier media server platforms

### Framing Types

## Digium Wildcard TE820 PCI Express ISDN PRI Card with Echo Cancellation (1TE820BF)

• 1/2 Superframe (D4)  
• 1/2 Extended Superframe (ESF)  
• 1/2 Channel Associated Signaling (CAS)  
• 1/2 Common Channel Signaling (CCS)

### Coding Types

• 1/2 Alternative Mark Inversion (AMI)  
• 1/2 Bipolar with Eight (8) Zero Substitution (B8ZS)  
• 1/2 High Density Bipolar Order Three (HDB3)  
• 1/2 with optional CRC4

### PRI Switch Compatibility

• 1/2 EuroISDN (PRI or PRA) &mdash; Q.931/Q.921  
• 1/2 AT&T 4ESS Network or CPE  
• 1/2 DMS 100 National ISDN 2  
• 1/2 Lucent 5E CAS Voice Modes

### Warranty

• 1/2 5-year parts and labor  
• 1/2 Exceptional Satisfaction Policy

### Production Quality

• 1/2 ISO 9001 Certified

### Ordering Details

• 1/2 1TE820F: 8 Span PCI Express T1/E1/J1 PRI Card  
• 1/2 1TE820BF: 8 Span PCI Express T1/E1/J1 PRI Card with Echo Cancellation Module  
• 1/2 1VPMOCT256LF: 256 Channel Echo Cancellation Module

**Price: \$3,071.21**

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