



>THIS IS THE WAY

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Product Bulletin

Nortel Norstar Compact ICS

Technical Specifications

Service tone cadences

| Tone | Cadence (seconds) |
|-----------------|--|
| Busy | 0.5 on/0.5 off |
| Confirmation | 1.0 on/1.0 off (3 bursts followed by no tone) |
| Expensive route | 0.3 on/0.3 off (3 bursts) |
| Overflow | 0.25 on/0.25 off |
| Recall | 1.0/1.0 off (3 bursts followed by steady tone) |
| Ringback | 2.0 on/4.0 off |
| Ring splash | 0.2 on (1 burst) |

Power specifications

| Characteristic | ICS |
|---------------------|-----------|
| Voltage V ac | 110 - 120 |
| Current A rms (max) | 1.9 |
| Frequency Hz | 45 - 70 |
| Crest factor | 4.0 |

Telephone loop specifications

| Characteristic | Value |
|-------------------------------|---|
| Loop resistance | 64 Ohms (300 m of 0.5 mm wire or 1000 ft. of 24 AWG wire) |
| Loop length | 300 m (1000 ft.) without SAPS 780 m (2600 ft.) with SAPS |
| Minimum voltage at telephone | 10 V dc |
| Current at telephone (idle) | 45 mA nominal |
| Current at telephone (active) | 80 mA maximum |

Electrical requirements

| Characteristic | Spec/value |
|--------------------------------|--|
| Electrostatic discharge | |
| ICS and telephones | IEC 1000-4-2/EN 61000-4-2 severity level 3 maximum of 8 kV with a 300 Ohm/150 pF probe |
| Connectors | IEC 1000-4-2/EN 61000-4-2 severity level 2 |
| Conducted immunity | Maximum of 3 V rms from 150 kHz to 30 MHz |
| Radiated immunity | Maximum of 5 V/m from 100 kHz to 1 GHz |

Internal analog terminal adapter specifications

| Characteristic | Spec/value |
|----------------------|------------------|
| Battery voltage | -31 V dc +/- 10% |
| Maximum loop length | 900 m (3000 ft.) |
| Maximum loop current | 25 mA |
| Current limit | 39 mA |
| Ring voltage at T/R | 50 V rms |
| Maximum ringing load | 2 REN |
| Ringing frequency | 20 Hz |
| Ring trip time limit | 150 ms |

Physical Specifications

| Characteristic | Spec/value |
|----------------|---|
| Height | 18.2 in. |
| Width | 9.8 in. |
| Depth | 6.5 in. |
| Weight | 6.7 lbs. (8 lbs. with all slots filled) |

A promotional banner for TRC Telecom Resource Corporation. On the left is the TRC logo, which includes the letters 'TRC' in a large, bold, blue font, with 'TELECOM RESOURCE CORPORATION' in a smaller font below it, and the website 'trcnetworks.com' at the bottom. To the right of the logo, the text 'Have A Question? Need More Info?' is written in a blue, sans-serif font. Below this, the phone number 'Call Us: 1 877 390 1166' is displayed in a yellow, sans-serif font. On the far right of the banner is a photograph of a young man with short brown hair, wearing a dark suit jacket, a light-colored shirt, and a dark tie, looking directly at the camera with a slight smile. The background of the banner is a light blue gradient with faint, concentric circular lines.

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NN111261-033105

The Nortel logo, consisting of the word 'NORTEL' in a bold, blue, sans-serif font. The letter 'O' is stylized with a blue circle around it, and a blue line curves through the circle from the top-left to the bottom-right.