



# Pre-Paid Calling Card

- ✓ **Unlimited flexibility for customisation**
- ✓ **Telco-grade performance and scalability**
- ✓ **Low cost and fast to deploy**

SkunkWorks' pre-paid calling card is a turn-key solution provided on the world's most flexible telephony application environment – Telco Perl™. This flexibility enables customisation of your solution to differentiate your business from your competitors, thereby empowering you with a robust business model and sustainable profit. SkunkWorks' pre-paid calling card offers endless scalability with telco-grade reliability, and options for customisation and integration with other legacy systems.

## Feature Summary

### Brands

Create new card brands and set their value.

### Operators

Manage operator logon and brand access

### Routing and Rating

- create routes and costs for each country, zone, carrier
- set VoIP and ISDN routes
- set selling rate for every route, every carrier and brand
- options for flagfall, per minute rates, block time rates, mid call rates, and recurring fees
- change individual fields and routes 'on-the-fly' or upload a complete spreadsheet for mass changes.

### Least Cost Routing

Set cost of routes for system to determine the lowest cost route, including time of day and day of week settings.

### Ranking

Rank your routes for your preferred carriers when multiple carriers happen to have the same route cost.

### Profit Margin Testing

Test your tariff calculations to protect your profit margin; ideal for complex tariff calculations.

### Expiry dates

Define expiry periods for brands of cards.

### Create cards

- create batches of random unique card numbers and pins for each brand
- download pins in a secure manner for your card printer.

### Manage cards

- search for a card number
- view start and expiry dates
- suspend or terminate a card
- view credit remaining
- apply a manual credit

## Resellers

- create resellers and allocate blocks of cards
- activate cards by blocks of numbers or individually
- suspend or deactivate cards
- monitor progress of reseller sales and customer use

## Transactions

- view every transaction of every card
- full detail of number called or attempted to call
- time and date
- duration
- origination CLI of caller
- destination route and country
- credit at start of call and at end of call
- recharge transactions, and more.

## Recharge

- recharge card options
- credit card payment gateway module

## Blacklisting

- monitor hacking attempts
- auto blacklisting function
- manual blacklist override in real time.

## Reports

Select a range of reports by date and brand and export a csv file with the call details.

## Customisation

Customisation with unique features specific to your business needs - create market differentiation.

For example:

- loyalty programs
- add SMS, voicemail, fax, call-back
- other customisation on request.



Contact us at [www.skunkworks.net.au](http://www.skunkworks.net.au) Ph +61 8 8168 2900

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## Telco-grade System

Base unit chassis	Up to 12 E1
Multiple Chassis	Added as required
Interfaces	ISDN SS7 CAS SMS VoIP (H.323, SIP)
Chassis Sum.	2RU telco grade NEBS-3 and ESTI compliant chassis
Disc Config.	Dual hot swap discs RAID array
Power Supplies	Dual hot swap power modules
Operating Sys.	Linux
Administration	Browser management Monitoring / reporting

## Physical Dimensions

Unit size	2RU
Height	87.6 mm (3.45 inches)
Width	434.6 mm (17.11 inches)
Depth	508 mm (20 inches)
Front clearance	76 mm ( 2 inches)
Side clearance	25 mm (1 inch)
Rear clearance	92 mm (3.6 inches)

## Chassis Environmental Specifications

Operating temperature	5 °C to 40 °C (41 °F to 104 °F)
Non-operating temperature	-40 °C to 70 °C (-104 °F to 158 °F)
Altitude	0 to 3,962m (0 to 13,000 ft)
Humidity non-operating	95% non-condensing at temperatures of 23 °C to 40 °C (73 °F to 104 °F)
Vibration operating	Swept sine survey at an acceleration amplitude of 0.1 g from 5 Hz to 100Hz and back to 5 Hz at a rate of 0.1 octave/minute. 90 minutes per axis on all three axis as per Bellcore GR-63-CORE standard.
Vibration non-operating	Swept sine survey at an acceleration amplitude of 0.5 g from 5 Hz to 50Hz at a rate of 0.1 octave/minute, and an acceleration amplitude of 0.3g from 50 to 500 Hz at a rate of 0.25 octaves/minute, on all three axis as per Bellcore GR-63-CORE standard.
Safety	UL 60950, CSA 60950, IEC 950, TUV/GS EN60950
Emissions	Verified to FCC Class A: tested to CISPR 22 Class A. EN55022 Class A. VCCI Class A ITE, AS/NZS 3548 Class A, CNS13438
Immunity	Verified to comply with EN 55024
Shock operating	Half-sine 2 G, 11 ms pulse. 100 pulses in each direction on each of the three axes.
Shock non-operating	Trapezoidal, 25 G, 170 inches/sec delta V, three drops in each direction, on each of the three axes.
Electrostatic discharge	Tested to ESD levels up to 15 kilovolts (kV) air discharge without physical damage.
Acoustic	Sound pressure: < 55dBA at ambient temperatures < 28 °C measured at bystander positions in operating mode.

## Chassis Compliance

Complies with the following Safety, EMC and NEBS regulations:	
Safety:	
US, Canada	UL1950-CSA950 (UL and cUL)
Europe, CE Mark	EN60950 (complies with 73/23/EEC)
International	IE60950 (CB report and cert)
Russia	GOST
EMC (note 1):	
US	FCC, part 15, Class A
Canada	ICES-003, Class A
Europe, CE Mark	EN55022 (Class A); EN55024 & EN61000-3-2; - 3-3 (complies with 89/336/EEC)
International	CISPR22, Class A
Japan	VCCI, Class A
Taiwan	CNS13438, Class A
Korea	RRL, MIC 1997-41 & 1997-42
Russia	GOST
Australia, N Zealand	AS/NZS 3548 (based on CISPR22)
NEBS/ETSI	
Bellcore GR-63, Physical Protection Requirements.	
Bellcore GR-1089, Electromagnetic compatibility and Electrical Safety Requirement.	
ETSI 300 386, Telecommunication Network, Electromagnetic Compatibility.	
ETSI 300 019, Environ Conditions and Environ Tests.	
ETSI 753, Acoustic Noise.	

## Telco Protocol Approved Countries

Argentina	Jordan
Austria	Korea
Belgium	Kuwait
Brazil	Latvia
Canada	Lithuania
Chile	Luxembourg
China	Malaysia
Columbia	Malta
Croatia	Mexico
Cyprus, Republic of	Netherlands
Czech Republic	New Zealand
Denmark	Norway
Egypt	Peru
Estonia	Philippines
European Union	Poland
Finland	Portugal
France	Sierra Leone
Germany	Singapore
Greece	Slovak Republic
Hong Kong	Slovenia
Hungary	South Africa
Iceland	Spain
India	Sweden
Indonesia	Switzerland
Iran	Taiwan
Ireland	Thailand
Israel	Turkey
Italy	UK
Japan	USA

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