

SPENDEX 9600 SECURE TELEPHONE

PNVX 2118



Philips
Crypto



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Spendex 9600 Secure Telephone

Philips Crypto's Spendex 9600 is a narrow-band voice-encryption desktop telephone set for use in switched public and private networks. Besides voice encryption this telephone can also encrypt data via the incorporated data interface.

For authorised users, this telephone will provide automatic, end-to-end digital encryption and decryption. It also supports all standard telephone functions and can therefore be used in 'plain' mode as a normal telephone.

Operation in crypto mode is only possible with the aid of a PIN-protected Philips Smart Card* which contains a unique set of key material, stored on a microchip.

For every secured transmission a unique session key will automatically be generated, based on a unique masterkey, shared only by the two communicating parties. Using these techniques, the Philips Crypto secure telephone provides a level of protection that is virtually total.

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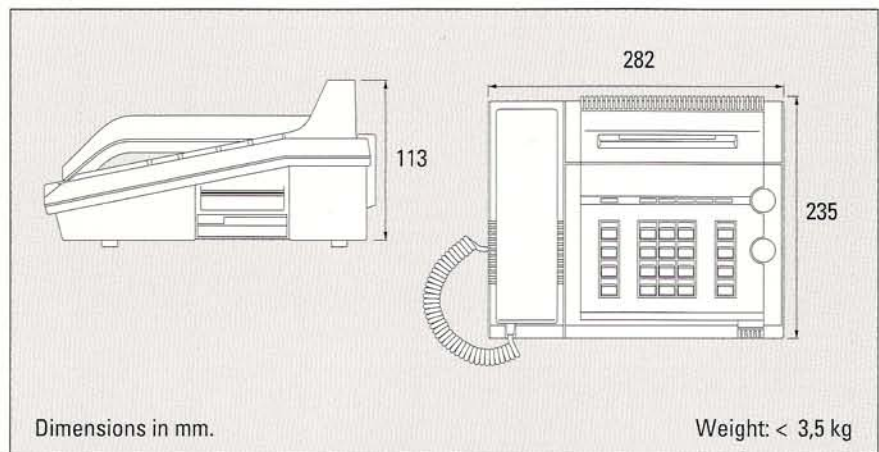
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Document Nr. 9922 154 19181

Technical data

Application	<ul style="list-style-type: none">• automatic switched public/private networks and leased lines• proven operability on Inmarsat A satellite communications• connected to interface suitable for car telephone network• recorder output
Configuration	<ul style="list-style-type: none">• desktop: stand-alone; replaces standard analogue telephone• LCD: 2 lines by 24 characters
User facilities	<ul style="list-style-type: none">• pulse or tone dialling• ringer volume and tone controls• hands free operation• speaker phone volume controls• handset volume control in secure mode• mute function• recall/hold function• memo facility• last number redial• 30 number memory with modem speed preference
Security features	<ul style="list-style-type: none">• "high end" Philips proprietary algorithm in hardware• customer-unique crypto algorithm (on request)• key management: off line system based on smart cards• true end-to-end encryption• access control via PIN, 3 consecutive wrong PIN entries disable the card• identification of counterpart in display• anti spoof
Voice modes	<ul style="list-style-type: none">• crypto voice: 9600, 4800 and 2400 bit/s• auto fall back facility
Data modes	<ul style="list-style-type: none">• Interface RS232-C CCITT V.24• synchronous 9600, 4800 and 2400 bit/s• asynchronous 2400, 1200, 600 and 300 bit/s, additional async to sync convertor available for speeds up to 9600 bit/s• auto answer in data mode possible
Power	<ul style="list-style-type: none">• external power supply 220V or 110V AC• direct power 8V DC (12V DC optional)• power dissipation 12 VA



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