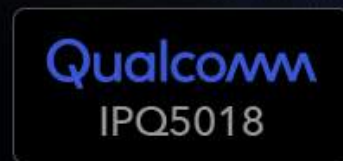


cudy

5G

5G SA/NSA
AX3000
Wi-Fi 6 CPE
Model: P5

ART. 42/98530-00



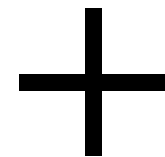
cudy
Distributed by ELCART

Qualcomm

IPQ5018 SoC

IPQ5018+QCN6102

1 GHz Dual-core ARM Cortex-A53 CPU
High Capacity 802.11ax SoC



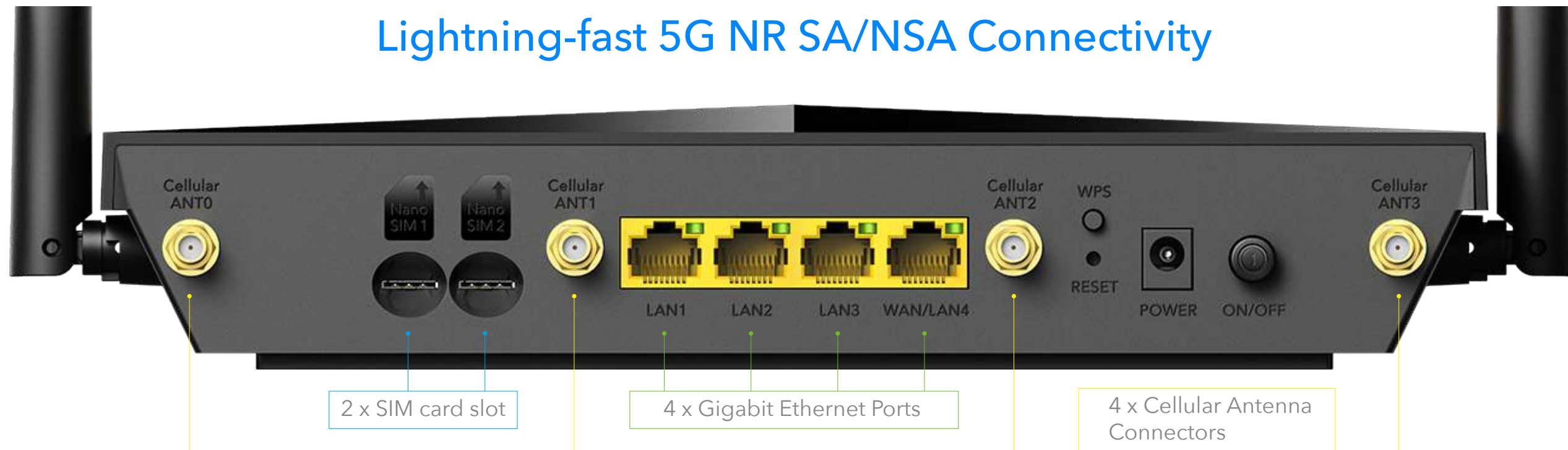
Snapdragon X55 5G Modem

Quectel RM505

2nd generation 5G modem with integrated multi-mode support, designed to deliver breakthrough wireless performance and accelerate global 5G rollout.



Lightning-fast 5G NR SA/NSA Connectivity



5G SA/NSA
Sub-6GHz

WiFi 6
AX3000

WAN Internet
Cellular Backup



 **WHOLE HOME MESH**

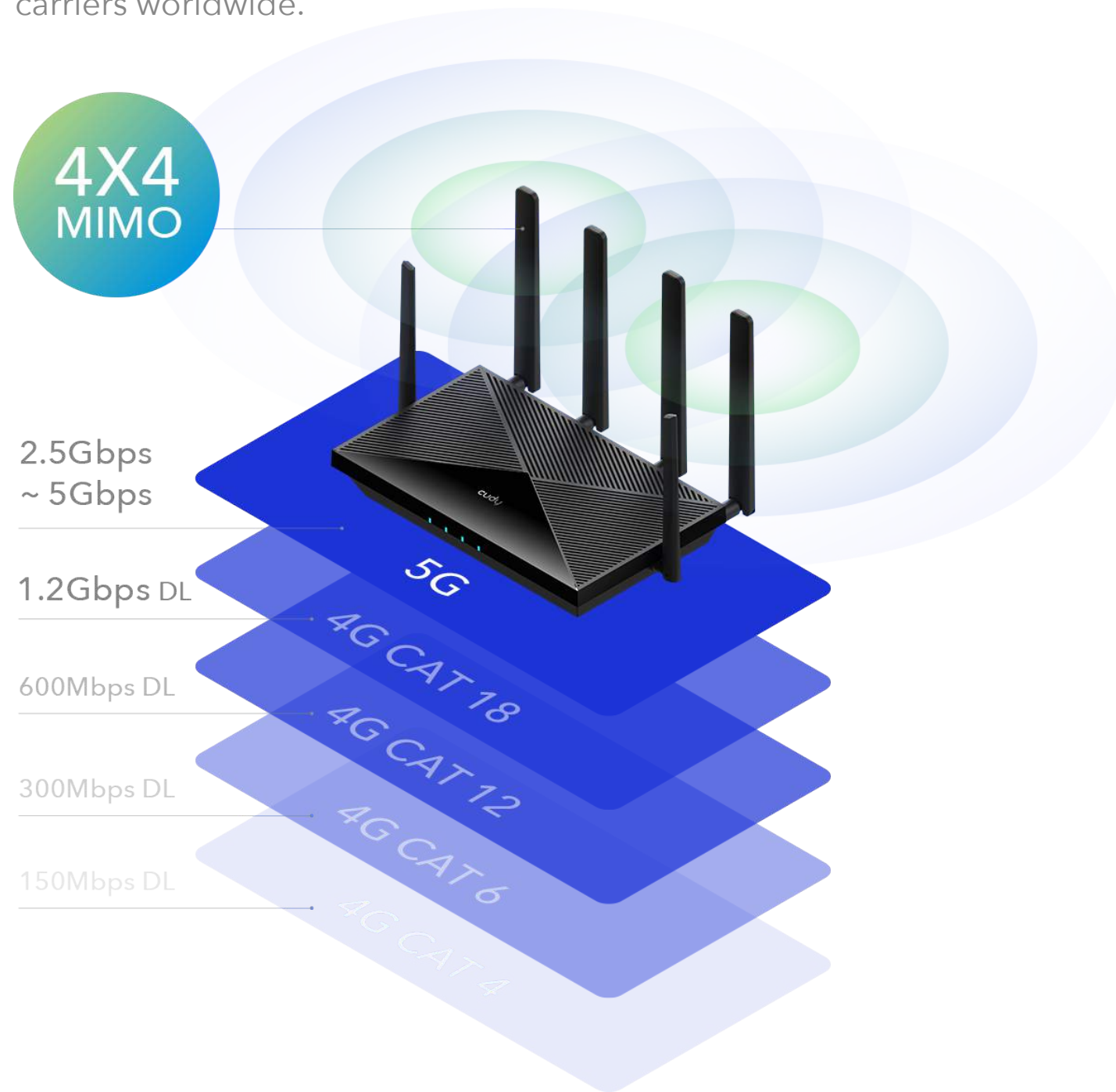
VPN
Built-in VPN Server and Client

Future-Proof Remote Management with
TR069 / TR098
TR111 / TR181



Lightning-fast 5G Connectivity

Cudy 5G CPE employs 3GPP Rel. 15 technology, it supports both 5G NSA and SA modes, covers all the main stream carriers worldwide.



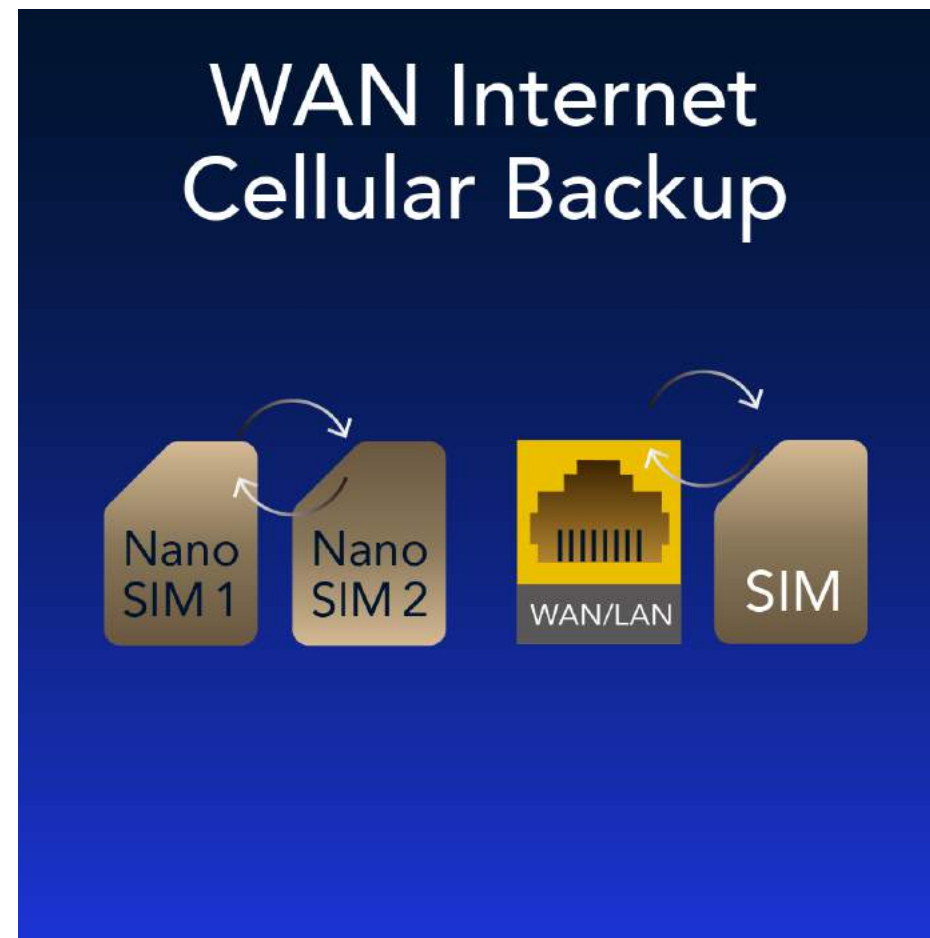
Wi-Fi6 - The most powerful Wi-Fi ever





Redundant SIM Slots

Dual SIM slots provide redundancy and keep the device always online. Both SIM slots can be filled, you can choose whether to use SIM card 1 or SIM card 2, or auto select by Cudy.



WAN Internet, Cellular Backup

Set WAN/LAN port as WAN to enable Cudy use the landline internet from WAN, and 4G/5G connection works as a backup to provide a sustained and reliable internet connection for you.



External SMA Antenna connector

Combined with 4 detachable SMA Antenna interface to connect outdoor cellular antennas for better and stable signal.

5G Bands

- N1 N2 N3 N5 N7
- N8 N12 N20 N25 N28
- N38 N40 N41 N48 N66
- N71 N77 N78 N79

LTE Bands

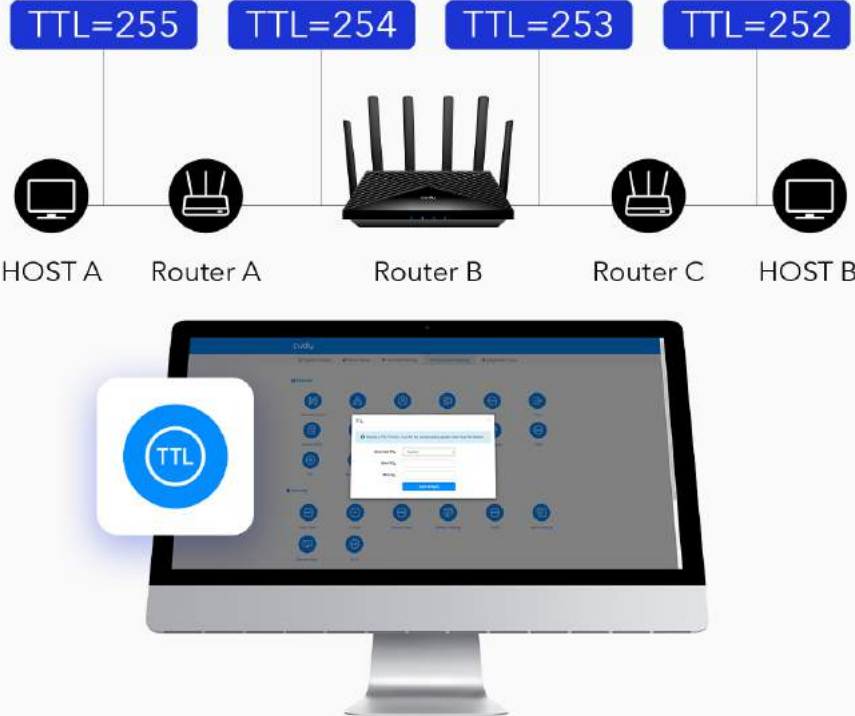
- B1 B2 B3 B4 B5 B7
- B8 B12 B13 B14 B18 B19
- B20 B25 B26 B28 B29 B30
- B32 B34 B38 B39 B40 B41
- B42 B43 B46 B48 B66 B71

Band Lock

Band lock make it possible to lock the 4/5G working frequency to one or several bands to keep the stability of operation.

TTL Settings

TTL=255 TTL=254 TTL=253 TTL=252



TTL Settings

Support manual set TTL values to meet ISP's requirement(such as Verizon, Visible). Support set IPv4 TTL and IPv6 HL Values.

DNS over TLS



DNS over TLS

Support DNS Encryption with CloudFlare or NextDNS or Google, protects your privacy, prevents eavesdropping and manipulation of DNS data via man-in-the-middle attacks.



Specifications

- 5G NR SA/NSA CPE
- AX3000 dual band Wi-Fi 6
- Qualcomm Chipset Inside
- Dual Nano SIM slots (Redundant SIM)
- 4*Gigabit Ethernet Ports (WAN Failover)
- 4*Detachable Cellular Antennas
- PPTP/L2TP/OpenVPN/WireGuard/IPSec/Zerotier

Hardware

CPU	Qualcomm IPQ5018 (Dual Core 1GHz)
5G	Quectel 5G Module (Qualcomm X55)
DRAM	256MB DDR3
Flash	128MB Nand
4 x GbE RJ45	1 GbE WAN/LAN + 3 GbE LAN
SIM card slot	2 x SIM Slots (Nano)
Button	1 x WPS Button
	1 x Reset Button
Antennas	2 x Fixed WiFi Antennas
	4 x Detachable Cellular Antennas
LED	LED indicators (Power,WiFi,Internet,Signal)



Data Speed

Wi-Fi	2.4GHz (802.11ax/n/g/b, MIMO 574Mbps)
	5GHz (802.11ax/ac/n/a, MIMO 2402Mbps)
5G Module (RM505Q)	5G SA Sub-6: Max. 4.2Gbps (DL)/900Mbps (UL)
Sub-6 GHz	5G NSA Sub-6: Max. 5Gbps (DL)/650Mbps (UL)
	LTE-FDD: Max. 2Gbps(DL)/200Mbps (UL)
	WCDMA: Max. 42 Mbps (DL)/5.76 Mbps (UL)

Mobile Frequency Band

5G Module Model	RM505Q
5G NR	3GPP Release 15 NSA/SA operation, Sub-6 GHz
NSA Bands	n1/n2/n3/n5/n7/n8/n12/n20/n25/n28/n38/n40/n41/n48/n66/ n71/n77/n78/n79
SA Bands	n1/n2/n3/n5/n7/n8/n12/n20/n25/n28/n38/n40/n41/n48/n66/ n71/n77/n78/n79
DL 4 ×4 MIMO	n1/n2/n3/n7/n25/n28/n38/n40/n41/n48/n66/77/n78/n79
UL 2 ×2 MIMO	n41
LTE Category	DL Cat 16 / UL Cat 18
LTE Bands	B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B25/ B26/B28/B29/B30/B32/B34/B38/B39/B40/B41/B42/B43/B46 (LAA)/B48/B66/B71
DL 4 ×4 MIMO	B1/B2/B3/B4/B7/B25/B30/B32/B34/B38/39/B40/B41/B42/B43/ B48/B66
WCDMA Bands	B1/B2/B3/B4/B5/B6/B8/B19



Software

DHCP	Server, Client List, Address Reservation
NAT	Port Forwarding, Port Triggering, UPnP, DMZ
Firewall	Mac Filter, IP Filter, Domain Filter
Management	Access Control, Local Management, Remote Management, Wake on LAN
DDNS	Compatible with 15 more DDNS providers
VPN Sever & Client	PPTP/L2TP/OpenVPN/WireGuard/IPSec/Zerotier
DNS over TLS	Cloudflare/NextDNS/Google
Schedule	Schedule Reboot /Wi-Fi Schedule
Internet Protocol version	IPv4/IPv6
IPv6	Relay Dynamic(SLAAC/DHCPv6) Static (Fixed IP) Passthrough MAP-E (Dual-stack) DS-Lite (Dual-stack)
Quality of Service (QoS)	Support
IPTV / VLAN configuration	Support
TTL configuration	Support
Band Selection	Support
CWMP Protocol	TR069 / TR098 / TR111 / TR181

Datasheet 5G SA/NSA AX3000 WiFi6 CPE | P5

Distribuito da:

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Other

Physical	Product Dimension: 252.5x161x48.2mm (LxWxH) Package Dimension: 408x238x58mm (LxWxH)
Power	AC Power Adapter: Input: 90~260V Output: 12V, 2.5A DC input (12V-2.5A) Barrel Plug
Environmental	Operation Temperature: 0° C to +45° C Storage Temperature: -40° C to +70° C Relative Humidity: 5% to 95% Non-Cond
SMS	Send Message Receive Message USSD
Package Contents	5G SA/NSA CPE Power Adapter RJ45 Ethernet Cable Quick Installation Guide
System Requirements	Microsoft Windows 98SE/NT/2000/XP/Vista ™/7/8/8.1/10/11, MAC OS,NetWare, UNIX or Linux Internet Explorer 11, Firefox 12.0, Chrome 20.0, Safari 4.0, or other Java-enabled browser Subscription with an internet service provider (for internet access)



Informazione agli utenti ex art. 26 D.Lgs. 49/2014

Il simbolo riportato sull'apparecchiatura (Allegato IX D.Lgs. 49/2014) indica che il rifiuto deve essere oggetto di “raccolta separata” e che è stato immesso sul mercato, in Italia, dopo il 31/12/2010. Pertanto, l'utente dovrà conferire (o far conferire) il rifiuto ai centri di raccolta differenziata predisposti dalle amministrazioni locali, oppure consegnarlo al rivenditore contro acquisto di una nuova apparecchiatura di tipo equivalente. L'utente ha dunque un ruolo attivo: la raccolta differenziata del rifiuto e le successive operazioni di trattamento, recupero e smaltimento favoriscono la produzione di apparecchiature con materiali riciclati e limitano gli effetti negativi sull'ambiente e sulla salute eventualmente causati da una gestione impropria del rifiuto. Nel caso di RAEE di piccolissime dimensioni (<25 cm), l'utente ha diritto al conferimento gratuito, senza obbligo di contestuale acquisto, ai distributori al dettaglio la cui superficie di vendita specializzata eccede i 400 mq.



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