

TAKING USER EXPERIENCE TO THE NEXT LEVEL

Innbox customer-premises equipment



Extreme versatility of deployment



Top performance and reliability



Guaranteed return on investment

ISKRATEL



Iskratel's **Innbox** customer-premises equipment includes home gateways for fibre and copper access, universal home gateways, fibre-termination and RF CATV units.

INNBOX CPE: PERFORMANCE DELIVERED

Simplicity, innovation and modularity of **Innbox CPE** make supreme user experience come true. They prevent the operator from being just another dumb-pipe provider – instead, they arm them with top performance and reliability at lower costs.

The Innbox CPE family relieves the operators from superfluous helpdesk tickets and help them solve the issues at a fraction of the cost: excelling in monitoring and diagnostics, Innbox CPE enables operators to optimise all settings remotely. Operators report operational savings of **30-to-70 %**.

Armed with centralised **TR-069** auto-configuration system, Innbox CPE can easily and seamlessly integrate with any network-management system.

Iskratel's teams offer expert support, or meet operators' specific needs by customising the Innbox CPE.

WHAT'S IN THE [INN]BOX?

For optical access, **Innbox G-series** of GPON home gateways delivers an unrivalled subscriber experience. The family spans from first-class **G7x** and **G8x** models to cost-sensitive **G2x** models, ideal for two-box setups.

Data rates up to 10 Gbps come with the NGPON home gateways. The top-of-the-line, feature-rich **Innbox G108** supports XGS-PON and NG-PON2 on a single fibre uplink, while the **Innbox X-series** delivers dedicated XGS-PON connectivity.

For copper access, **Innbox V-series** delivers up to 100 Mbps over VDSL2, supporting VDSL2 vectoring, as well as fallback to ADSL2+. Supreme built-in overvoltage protection is standard.

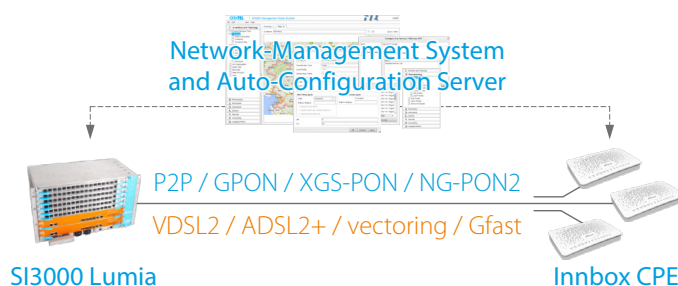
The **Innbox U92** is perfect for cases that (may) require migration between access technologies, with its multiple fibre and copper uplinks in a single universal device.

TYPICAL DEPLOYMENT SCENARIOS

In a **single-box deployment**, the Innbox home gateway is connected over any of the inherently supported access technologies.

Multi-operator environments (based on bitstream wholesale or unbundling) make **dual-operator, dual-box deployment** appropriate. The first (termination) box is controlled by the network provider, while the service provider's home gateway delivers the networking capabilities. Innbox CPE fit both roles of such deployment.

A **single-operator, dual-box deployment** is applicable to support other access technologies such as radio or satellite. Feature-rich Innbox F-series, V-series, or universal home gateways complement the termination box.



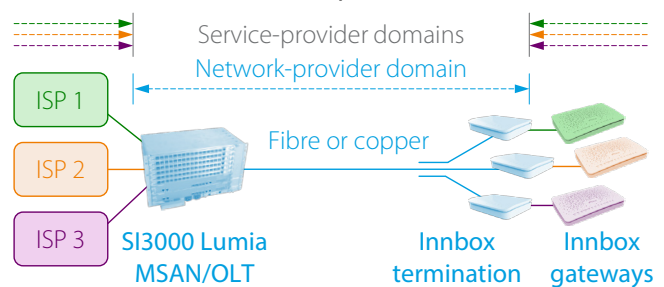
VDSL2/ADSL2+, ETTH and universal CPE

Model	V46	V80	E80	E84	U92
Type	VDSL2/ADSL2+		ETTH		Univ.
Uplink interfaces (WAN)					
GPON					•
GE fibre					•
GE copper	•	•	•	•	•
ADSL2+	•	•			•
VDSL2	•	•			•
3G/LTE	•	•	•		•
Home-network interfaces (LAN)					
FE	4				
GE	1	4/5 ^a	4	4	4
USB	1	1	1		2
Wi-Fi .11n	2x2	2x2	2x2	2x2	2x2
Wi-Fi .11ac		2x2	2x2	4x4 ^b	2x2
Wi-Fi .11ax					2x2
EasyMesh™				•	•
FXS	2	2	1		2
Integr. FTU					•

Single-box deployment for ISPs with own network infrastructure



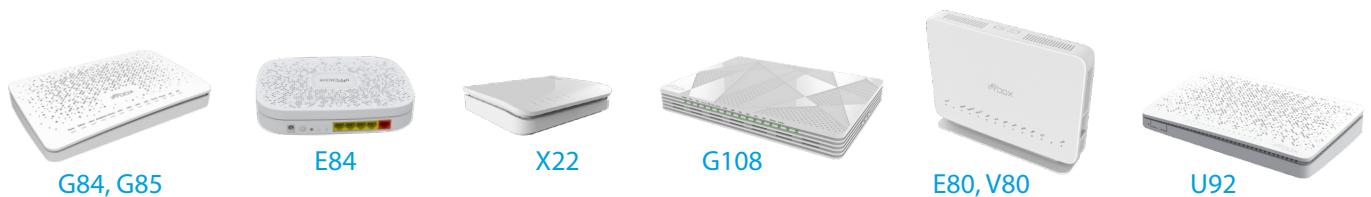
Single-operator, dual-box deployment for ISPs' services across network-provider's infrastructure



GPON, XGS-PON and mesh CPE

Model	G21	G74	G78	G84	G85	X22	G108	M84
Type			GPON				XGS-PON	
Uplink interfaces (WAN)								
GPON	•	•	•	•	•			
XGS-PON						•	•	
GE copper		•	•	•	•			
3G/LTE		•	•		•		•	
Wi-Fi .11n								2x2
Wi-Fi .11ac								4x4 ^b
Home-network interfaces (LAN)								
10GE						1 ^c		
GE	1	4	4	4	4	1	4	4
USB		1	1		1		2	
Wi-Fi .11n		2x2	2x2	2x2	2x2		3x3	2x2
Wi-Fi .11ac			3x3 ^b	4x4 ^b	4x4 ^b		3x3	4x4 ^b
Wi-Fi .11ax								
EasyMesh™				•	•			•
FXS		2	1	1	2		2	
UPS		•						
CATV					•			
Integr. FTU		•		•	•			

(a) The fifth port can be used as LAN or WAN; (b) Wave2 MU-MIMO; (c) Multi-gigabit (10/5/2.5 Gbps) LAN port



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