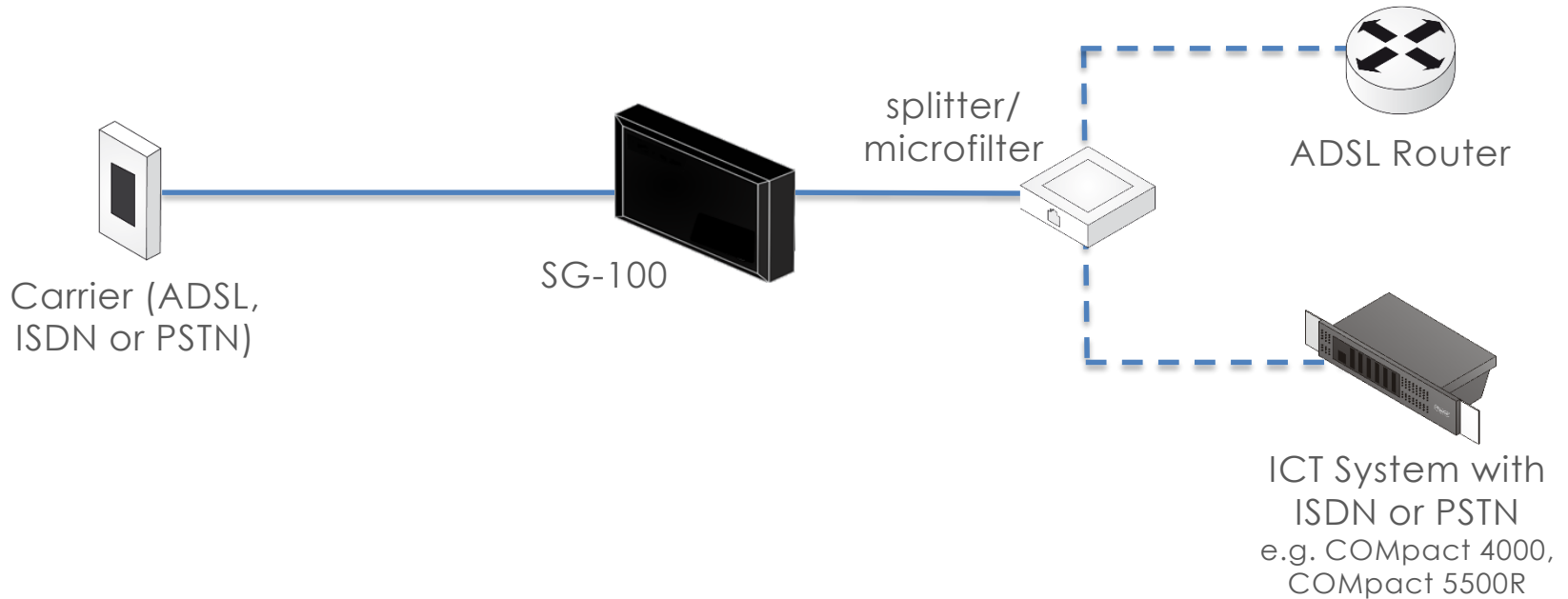# Welcome!

Surge Protection SG-100 and SG-200

- Effective **surge protection** for **All-IP** and **traditional ICT connections**

- Capable for **VDSL 100** (SG-200)

- Your **telecommunication infrastructure** is perfectly **protected**

- Easy installation thanks to **Plug & Play**

- Full performance – **Bandwidth kept** despite surge protection

- **No loss of productivity** due to failure of Internet access in case of surge

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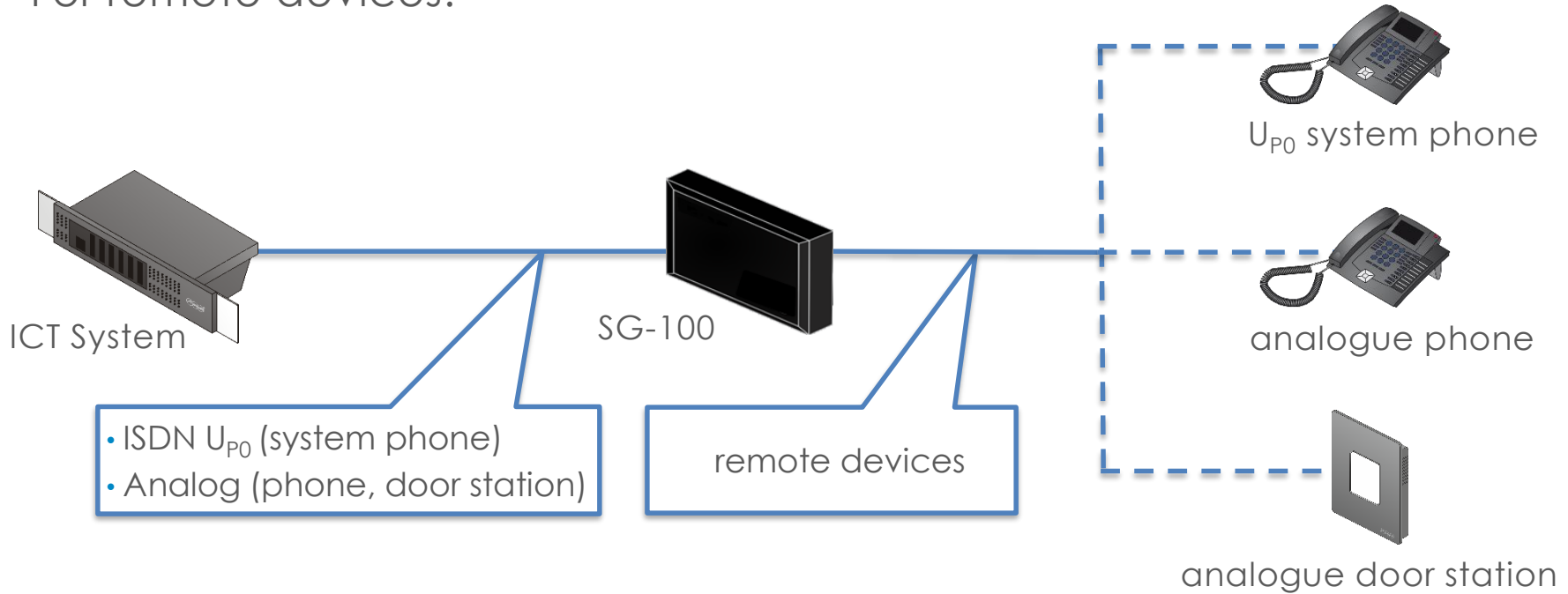
- For ADSL connections with splitter/microfilter, ISDN and PSTN connections:

splitter/
microfilter

ADSL Router

SG-100

Carrier (ADSL, ISDN or PSTN)

ICT System with ISDN or PSTN
e.g. COMpact 4000, COMpact 5500R

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- For remote devices:

ICT System

SG-100

U_{P0} system phone

analogue phone

analogue door station

- ISDN U_{P0} (system phone)
- Analog (phone, door station)

remote devices

- For **All-IP** connections
  (VDSL and ADSL connections w/o splitter/microfilter):

Carrier   SG-200   VDSL or ADSL router

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Decision Support
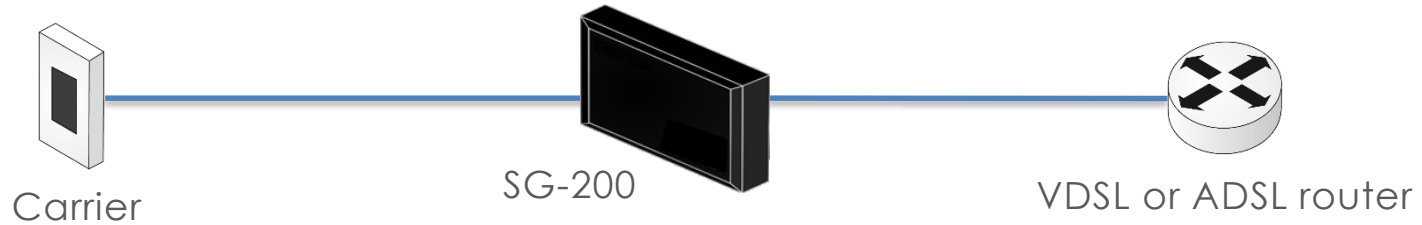
All-IP

Connection type	SG-100	SG-200
VDSL connection up to 100 Mbit/s **(All-IP)**	–	yes
ADSL connection **(All-IP)**	–	yes
ADSL connection with splitter/microfilter	yes	–
ISDN connection	yes	–
PSTN connection	yes	–
Remote analogue device	yes	–
Remote U_{P0} device	yes	–
ADSL/VDSL connection at the limit (e.g. 100 Mbit/s account with 60 Mbit/s connection)	yes	–

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Competitors

	Auerswald SG-100	Auerswald SG-200	Dehn DEHNbox TC180	Phoenix Tele DSL RJ45
End user price (w/o tax)	58,00 EUR	58,00 EUR	108,40 EUR	66,39 EUR
Bandwidth reduction	< 10 %	< 10 %	13 %	12 %
VDSL 100 capable	–	yes	–	–
Surge protection for	• ADSL w. splitter/ microfilter • ISDN (U_{K0}, U_{P0}) • Analogue	• **All-IP!** • ADSL w/o splitter/ microfilter • VDSL	• ADSL	• ADSL • ISDN (S_0) • Analogue
Plug & Play	yes	yes	–	yes

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