Uniport appliances
For corporate networks and operators
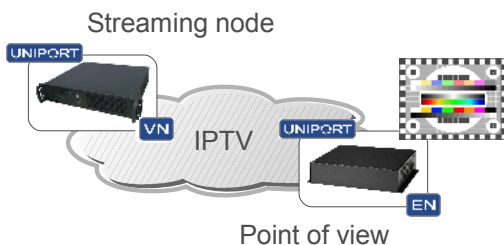
UNIPORT

Uniport EN series
Datasheet

Uniport EN series is ideally suited to connecting small and branch offices and teleworkers to Corporate network and / or public networks like Internet and SIP PSTN. The appliance can be used as IPTV terminal also.
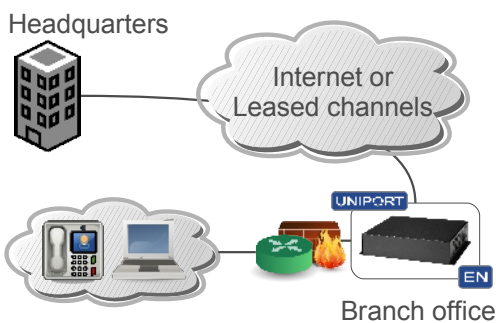
Headquarters

Internet or Leased channels

Branch office

- *Secure corporate connections over leased channels or Internet.*
- *Remote and site-to-site VPN.*
- *Data, voice and video networking.*
- *Dynamic and static routing.*
- *Stateful firewall with rules per zone.*
- *IP-PBX services.*
- *VLANs, Bridging and Bonding.*
- *PSTN connection with VoIP.*
- *IPTV features (RP and PoV).*

Streaming node

IPTV

Point of view

| System	
Processor	1.5GHz
Memory	1GB
Storage	2GB flash
Ethernet	2 x 10/100
Hardware acceleration	· Cryptography, hashing, key generation · MPEG-2, 3D/2D video
OS	GNU/Linux
Management	· Web 2.0 interface (HTTP, HTTPS) · Linux console (local, SSH) · Menu shell (local, SSH)
I/O connectors	· 2 x RJ45 LAN, 4 x USB 2.0 · 1 x VGA , 1 x Audio · 1 x COM, 1 x Parallel, 1 x PS2
Power supply	60W
Dimensions	58.5(H,mm) x 259.5(W,mm) x 186(D,mm)
Operating environment	· Temperature 0 ~ 50 °C · Humidity 0 ~ 95 %
Security	
Firewall	· Stateful / stateless filtering (IPv4, IPv6) · Address / port translation (NAT / NAPT) · Multiple zones support · MAC addresses filtering
VPN	· SSL based VPN (with proxy support) · IPSec and SSL based tunnels · PPTP, L2TP, IPSec VPN
Cryptography	AES, 3DES (GOST is available as option)
Services	
Routing	· Multiple routing tables support · OSPFv2, OSPFv3, BGPv4, RIP/RIPng · IGMP/MLD, PIM-SM (IPv4, IPv6)
Encapsulation, Bridging, Bonding	· VLAN (802.1Q), PPPoE · Local and remote bridges (802.1d) · Channels bonding (including 802.3ad)
Traffic control	Priority and classful queuing
VoIP	· IP-PBX with basic features · SIP router
Other	· DHCP, DNS, URL filtering · IPTV RP and PoV · Customer related services

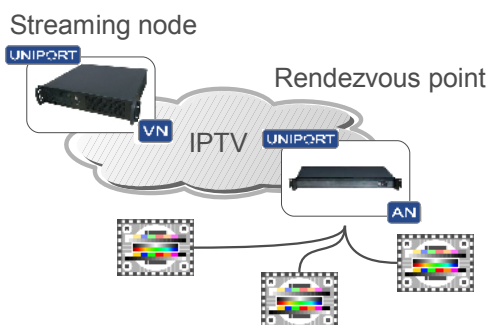| Products	
Uniport EN/2FT	Uniport EN appliance with two Fast Ethernet.
Services	
Uniport EN-ETC	Initial appliance configuration: · Network and services pre-configuration. · Customer related basic features installation.
Uniport EN-SLA	Standard Customer SLA: · One ticket per business day · Next business day support

UNIPORT

Uniport AN series
Datasheet

Uniport AN series is the all in one solution for offices with connections to Corporate network and / or Internet and PSTN services. From the Operators site, Uniport AN series is the flexible and complex solution as access / edge router.
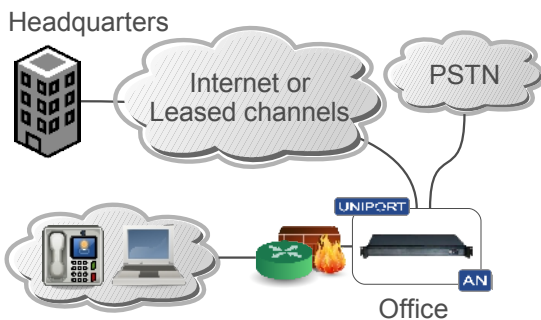
- *Secure corporate connections over leased channels or Internet.*
- *Remote and site-to-site VPN.*
- *Data, voice and video networking.*
- *Stateful firewall with rules per zone.*
- *Full featured IP-PBX including V2oIP.*
- *PSTN connection via E1, FXO, VoIP.*
- *Web video conferencing with presentations and desktop sharing.*
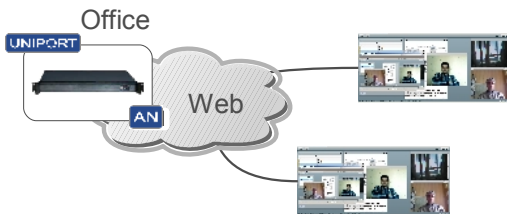
- *Dynamic and static routing.*
- *Access and edge router.*
- *VLANs, Bridging and Bonding.*
- *IPTV features (RP and PoV).*

System	
Processor	1.5GHz
Memory	1GB
Storage	30GB SSD
Ethernet	2 x 10/100
Expansion	1 x PCI for additional interfaces / features
Hardware acceleration	· Cryptography, hashing, key generation · MPEG-2, 3D/2D video
OS	GNU/Linux
Management	· Web 2.0 interface (HTTP, HTTPS) · Linux console (local, SSH) · Menu shell (local, SSH)
I/O connectors	· 2 x RJ45 LAN, 4 x USB 2.0 · 1 x VGA , 1 x Audio · 1 x COM, 1 x Parallel, 1 x PS2
Power supply	300W
Dimensions	1U rackmount, 250mm deep
Operating environment	· Temperature 0 ~ 50 °C · Humidity 0 ~ 95 %
Security	
Firewall	· Stateful / stateless filtering (IPv4, IPv6) · Address / port translation (NAT / NAPT) · Multiple zones support · MAC addresses filtering
VPN	· SSL based VPN (with proxy support) · IPSec and SSL based tunnels · PPTP, L2TP, IPSec VPN
Cryptography	AES, 3DES (GOST is available as option)
Services	
Routing	· Multiple routing tables support · OSPFv2, OSPFv3, BGPv4, RIP/RIPng · IGMP/MLD, PIM-SM (IPv4, IPv6)
Encapsulation, Bridging, Bonding	· VLAN (802.1Q), PPPoE · Local and remote bridges (802.1d) · Channels bonding (including 802.3ad)
Traffic control	Priority and classful queuing
VoIP	· Full featured IP-PBX including V2oIP · SIP router
Video over IP	· Video telephony · IPTV RP and PoV · Web video conferencing
Other	· Instant Messaging · DHCP, DNS, URL filtering · HTTP/HTTPS proxy · Customer related services

| Products[1]	
Uniport AN/2FT	Uniport AN appliance with two Fast Ethernet.
Uniport AN/3FT	Uniport AN appliance with three Fast Ethernet.
Uniport AN/2FT/1GT	Uniport AN appliance with two Fast Ethernet and one Gigabit Ethernet.
Uniport AN/2FT/1E1(e)	Uniport AN appliance with two Fast Ethernet and one E1 (data and voice[2]) or E1 with hardware echo compensation (voice only).
Uniport AN/2FT/2E1(e)	Uniport AN appliance with two Fast Ethernet and two E1 (data and voice[2]) or E1 with hardware echo compensation (voice only).
Uniport AN/2FT/4E1(e)	Uniport AN appliance with two Fast Ethernet and four E1 (data and voice[2]) or E1 with hardware echo compensation (voice only).
Uniport AN/2FT/2GSM	Uniport AN appliance with two Fast Ethernet and two GSM modules.
Uniport AN/2FT/4GSM	Uniport AN appliance with two Fast Ethernet and four GSM modules.
Uniport AN/2FT/[A]FXS[B]FXO(e)	Uniport AN appliance with two Fast Ethernet and A x FXS and B x FXO analogue[2] connections. A,B=0..8, A+B=1..8
Uniport AN/2FT/1E3	Uniport AN appliance with two Fast Ethernet and one E3.
Uniport AN/2FT/1V35	Uniport AN appliance with two Fast Ethernet and one V.35/RS-232.
Uniport AN/2FT/2V35	Uniport AN appliance with two Fast Ethernet and two V.35/RS-232.
Services	
Uniport AN-ETC	Initial appliance configuration: · Network and services pre-configuration. · Customer related basic features installation.
Uniport AN-SLA	Standard Customer SLA: · One ticket per business day · Next business day support

[1] Models upgrade and Customer specific models are available.
[2] Software echo compensation for voice connections. See models with 'e' index for hardware solution.
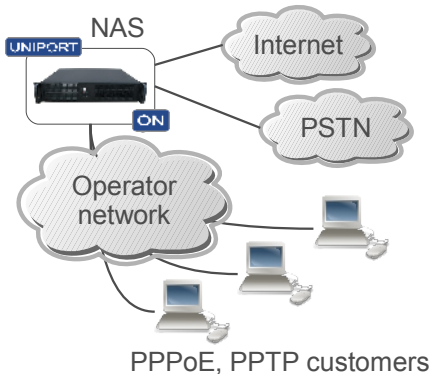
UNIPORT

Uniport ON series
Datasheet

Uniport ON series is the flexible, complex and powerful solution to be used as Operator router and / or Network Access Server, or Enterprise router. There are wide range of interfaces and network access protocols and services available.
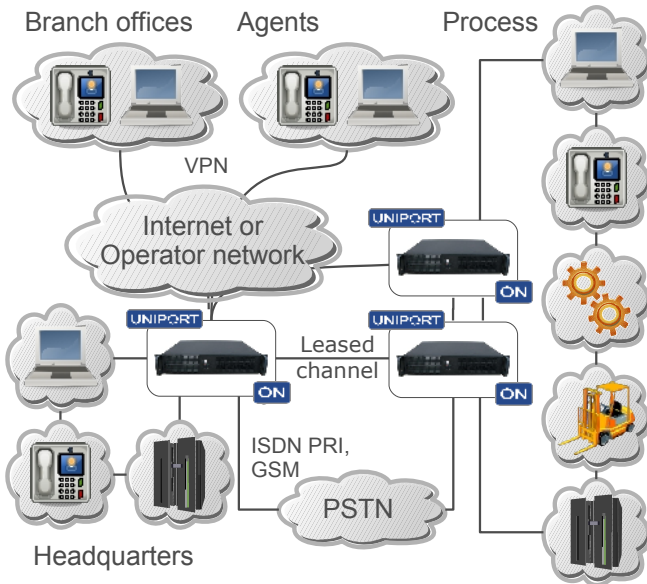
- *Dynamic and static routing.*
- *Operator or Enterprise router.*
- *VLANs, Bridging and Bonding*
- *Copper and Fibre Ethernet.*
- *Secure corporate connections over leased channels or Internet.*
- *Remote and site-to-site VPN.*
- *Data, voice and video networking.*
- *Stateful firewall with rules per zone.*

- *Full featured IP-PBX including V2oIP.*
- *PSTN connection via E1, FXO, VoIP.*
- *Web video conferencing with presentations and desktop sharing.*
- *IPTV features (BSR and RP).*

System	
Processor	3GHz (Xeon as option)
Memory	2GB ECC (up to 32GB as option)
Storage	30GB SSD (RAID as option)
Ethernet	2 x 10/100/1000
Expansion	· 2 x PCI Express x8 · 1 x PCI Express x4 · 1 x 5V PCI 32bit / 33MHz
Hardware acceleration	· Network offload · Cryptography, hashing, key generation
OS	GNU/Linux
Management	· Web 2.0 interface (HTTP, HTTPS) · Linux console (local, SSH) · Menu shell (local, SSH)
I/O connectors	· 2 x RJ45 LAN, 4 x USB 2.0 · 1 x VGA , 1 x Serial
Power supply	450W
Dimensions	2U rackmount, 380mm deep

Security	
Firewall	· Stateful / stateless filtering (IPv4, IPv6) · Address / port translation (NAT / NAPT) · Multiple zones support · MAC addresses filtering
VPN	· SSL based VPN (with proxy support) · IPSec and SSL based tunnels · PPTP, L2TP, IPSec VPN
Cryptography	AES, 3DES (GOST is available as option)

Services	
Routing	· Multiple routing tables support · OSPFv2, OSPFv3, BGPv4, RIP/RIPng · IGMP/MLD, PIM-SM (IPv4, IPv6)
Encapsulation, Bridging, Bonding	· VLAN (802.1Q), PPPoE · Local and remote bridges (802.1d) · Channels bonding (including 802.3ad)
Traffic control	Priority and classful queuing
Models specific interfaces	· Copper and/or Fibre Gigabit Ethernet · Copper and/or Fibre 10G Ethernet · E1/G.703 and/or E3/G.703.8 · Digital and/or analogue telephony
Other	· Full features IP-PBX including V2oIP · SIP router · Web video conferencing · Instant Messaging · IPTV BSR and RP · DHCP, DNS, URL filtering · HTTP/HTTPS proxy · Customer related services

Products[1]	
Uniport ON/2GT	Uniport ON appliance with two Copper Gigabit Ethernet (GE).
Uniport ON/2GT/[A]GT	Uniport ON appliance with A+2 x Copper Gigabit Ethernet, A=1..6.
Uniport ON/2GT/[A]GS	Uniport ON appliance with two GE and A x Fibre (MMF, up to 275m) Gigabit Ethernet, A=1..6.
Uniport ON/2GT/[A]XT	Uniport ON appliance with two GE and A x Copper 10G Ethernet, A=1..4.
Uniport ON/2GT/[A]XS	Uniport ON appliance with two GE and A x Fibre (MMF, up to 300m) 10G Ethernet, A=1..4.
Uniport ON/2GT/[A]XL	Uniport ON appliance with two GE and A x Fibre (SMF, up to 10km) 10G Ethernet, A=1..2.
Uniport ON/2GT/[A]E1(e)	Uniport ON appliance with two GE and A x E1 (data and voice[2]), A=1,2,4, or A x E1 with hardware echo compensation (voice only), A=1..6
Uniport ON/2GT/[A]GSM	Uniport ON appliance with two GE and A x GSM modules, A=2,4.
Uniport ON/2GT/ [A]FXS[B]FXO(e)	Uniport ON appliance with two GE and A x FXS and B x FXO analogue[2] connections. A,B=0..24, A+B=1..24
Uniport ON/2GT/1E3	Uniport ON appliance with two GE and one E3.
Uniport ON/2GT/[A]V35	Uniport ON appliance with two GE and A x V.35/RS-232, A=1,2.
Uniport ON/2GT/[interfaces][3]	Uniport ON appliance with two GE and mixed interfaces.
Services	
Uniport ON-ETC	Initial appliance configuration: · Network and services pre-configuration. · Customer related basic features installation.
Uniport ON-SLA	Standard Customer SLA: · One ticket per business day · Next business day support

[1] Models upgrade and Customer specific models are available.
[2] Software echo compensation for voice connections. See models with 'e' index for hardware solution.
[3] Please, contact your distributor or service support to compile the model.

UNIPORT

Uniport BN series is the enterprise solution to cover all Corporate business communications with the rich set of voice, video and messaging features.
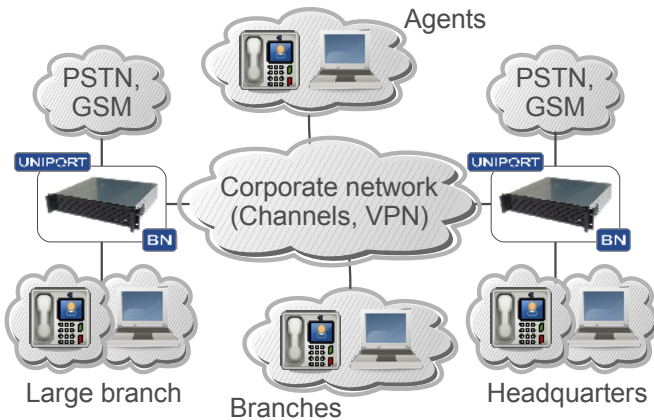
- • *Enterprise IP-PBX including V2oIP.*
- • *PSTN connection via E1, FXO, VoIP.*
- • *Web video conferencing with presentations and desktop sharing.*
- • *Instant messaging with voice, video, whiteboard, vCards.*
- • *Least-Cost Routing.*
- • *Automatic calls routing*
- • *Time-based call routing.*
- • *Interactive Voice Response.*
- • *Music on hold.*
- • *Direct Inward System Access.*
- • *Callback.*
- • *Secure remote agents.*
- • *Voicemail with vm2email feature.*
- • *Virtual fax with fax2email feature.*
- • *N-way conferences.*
- • *Forward to mobile.*
- • *Consultative and blind transfers.*
- • *Calls record and playback.*
- • *Automatic dialer.*
- • *Call centre features.*
- • *Queues, parking, pickup.*
- • *IP-phones auto-provision.*
- • *Intercom, loud speakers support.*

Uniport BN series
Datasheet

System	
Processor	3GHz (Xeon as option)
Memory	4GB ECC (up to 32GB as option)
Storage	30GB SSD RAID1 (60GB RAID10 option)
Ethernet	2 x 10/100/1000
Expansion	• 2 x PCI Express x8 • 1 x PCI Express x4 • 1 x 5V PCI 32bit / 33MHz
Hardware acceleration	• Network offload • Cryptography, hashing, key generation
OS	GNU/Linux
Management	• Web 2.0 interface (HTTP, HTTPS) • Linux console (local, SSH) • Menu shell (local, SSH)
I/O connectors	• 2 x RJ45 LAN, 4 x USB 2.0 • 1 x VGA , 1 x Serial
Power supply	450W
Dimensions	2U rackmount, 380mm deep

Security	
Firewall	• Stateful / stateless filtering (IPv4, IPv6) • Address / port translation (NAT / NAPT) • Multiple zones support • MAC addresses filtering
VPN	• SSL based VPN (with proxy support) • IPSec and SSL based tunnels • PPTP, L2TP, IPSec VPN
Cryptography	AES, 3DES (GOST is available as option)

Services	
Voice	• Enterprise IP-PBX features • PSTN, GSM, VoIP connections
Video	• Video telephony • Web video conferencing
Instant Messaging	• XMPP instant messaging, vCards • Video, voice, whiteboard (over Jingle)
Routing	• Multiple routing tables support • OSPFv2, OSPFv3, BGPv4, RIP/RIPng • IGMP/MLD, PIM-SM (IPv4, IPv6)
Encapsulation, Bridging, Bonding	• VLAN (802.1Q), PPPoE • Local and remote bridges (802.1d) • Channels bonding (including 802.3ad)
Traffic control	Priority and classful queuing
Other	• Wide range of interfaces • SIP router • IPTV BSR and RP • HTTP/HTTPS proxy, DHCP, DNS • Customer related services

| Products[1]	
Uniport BN/2GT	Uniport BN appliance with two Copper Gigabit Ethernet (GE).
Uniport BN/2GT/[A]GT	Uniport BN appliance with A+2 x Copper Gigabit Ethernet, A=1..6.
Uniport BN/2GT/[A]GS	Uniport BN appliance with two GE and A x Fibre (MMF, up to 275m) Gigabit Ethernet, A=1..6.
Uniport BN/2GT/[A]XT	Uniport BN appliance with two GE and A x Copper 10G Ethernet, A=1..4.
Uniport BN/2GT/[A]XS	Uniport BN appliance with two GE and A x Fibre (MMF, up to 300m) 10G Ethernet, A=1..4.
Uniport BN/2GT/[A]XL	Uniport BN appliance with two GE and A x Fibre (SMF, up to 10km) 10G Ethernet, A=1..2.
Uniport BN/2GT/[A]E1(e)	Uniport BN appliance with two GE and A x E1 (data and voice[2]), A=1,2,4, or A x E1 with hardware echo compensation (voice only), A=1..6
Uniport BN/2GT/[A]GSM	Uniport BN appliance with two GE and A x GSM modules, A=2,4.
Uniport BN/2GT/[A]FXS[B]FXO(e)	Uniport BN appliance with two GE and A x FXS and B x FXO analogue[2] connections. A,B=0..24, A+B=1..24
Uniport BN/2GT/1E3	Uniport BN appliance with two GE and one E3.
Uniport BN/2GT/[A]V35	Uniport BN appliance with two GE and A x V.35/RS-232, A=1,2.
Uniport BN/2GT/[interfaces][3]	Uniport BN appliance with two GE and mixed interfaces.
Services	
Uniport BN-ETC	Initial appliance configuration: · Network and services pre-configuration. · Customer related basic features installation.
Uniport BN-SLA	Standard Customer SLA: · One ticket per business day · Next business day support

[1] Models upgrade and Customer specific models are available.
[2] Software echo compensation for voice connections. See models with 'e' index for hardware solution.
[3] Please, contact your distributor or service support to compile the model.

UNIPORT

Uniport VN series is the IPTV multichannel streaming solution with online or prior transcoding, and / or powerful Web video conferencing system.
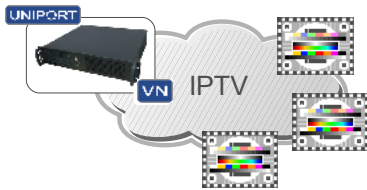
IPTV

- *Wide range media formats for IPTV*
- *Channels multicasting.*
- *Multiple destinations / zones support.*
- *Video on demand.*

WEB

- *Video and voice conferencing over Web.*
- *No special software required.*
- *Presentations, chat, desktop share.*
- *PSTN and VoIP integration.*

Uniport VN series
Datasheet

System	
Processor	3GHz (Xeon as option)
Memory	4GB ECC (up to 32GB as option)
Storage	60GB SSD RAID0 (60GB RAID10 option)
Ethernet	2 x 10/100/1000
Expansion	• 2 x PCI Express x8 • 1 x PCI Express x4 • 1 x 5V PCI 32bit / 33MHz
Hardware acceleration	• Network offload • Cryptography, hashing, key generation
OS	GNU/Linux
Management	• Web 2.0 interface (HTTP, HTTPS) • Linux console (local, SSH) • Menu shell (local, SSH)
I/O connectors	• 2 x RJ45 LAN, 4 x USB 2.0 • 1 x VGA , 1 x Serial
Power supply	450W
Dimensions	2U rackmount, 380mm deep

Security	
Firewall	• Stateful / stateless filtering (IPv4, IPv6) • Address / port translation (NAT / NAPT) • Multiple zones support • MAC addresses filtering
VPN	• SSL based VPN (with proxy support) • IPSec and SSL based tunnels • PPTP, L2TP, IPSec VPN
Cryptography	AES, 3DES (GOST is available as option)

Services	
IPTV streaming	• Channels multicasting • Streaming and prior transcoding • Video on demand support
Web video conferencing	• Multiple users at one conference • Video, voice, presentations • Desktop sharing
Routing	• Multiple routing tables support • OSPFv2, OSPFv3, BGPv4, RIP/RIPng • IGMP/MLD, PIM-SM (IPv4, IPv6)
Encapsulation, Bridging, Bonding	• VLAN (802.1Q), PPPoE • Local and remote bridges (802.1d) • Channels bonding (including 802.3ad)
Traffic control	Priority and classful queuing
Other	• Full features IP-PBX including V2oIP • SIP router • Instant Messaging • DHCP, DNS, URL filtering • HTTP/HTTPS proxy • Customer related services

Products[1]	
Uniport VN/2GT	Uniport VN appliance with two Copper Gigabit Ethernet (GE).
Uniport VN/2GT/[A]GT	Uniport VN appliance with A+2 x Copper Gigabit Ethernet, A=1..6.
Uniport VN/2GT/[A]GS	Uniport VN appliance with two GE and A x Fibre (MMF, up to 275m) Gigabit Ethernet, A=1..6.
Uniport VN/2GT/[A]XT	Uniport VN appliance with two GE and A x Copper 10G Ethernet, A=1..4.
Uniport VN/2GT/[A]XS	Uniport VN appliance with two GE and A x Fibre (MMF, up to 300m) 10G Ethernet, A=1..4.
Uniport VN/2GT/[A]XL	Uniport VN appliance with two GE and A x Fibre (SMF, up to 10km) 10G Ethernet, A=1..2.
Uniport VN/2GT/[A]E1(e)	Uniport VN appliance with two GE and A x E1 (data and voice[2]), A=1,2,4, or A x E1 with hardware echo compensation (voice only), A=1..6
Uniport VN/2GT/[A]GSM	Uniport VN appliance with two GE and A x GSM modules, A=2,4.
Uniport VN/2GT/[A]FXS[B]FXO(e)	Uniport VN appliance with two GE and A x FXS and B x FXO analogue[2] connections. A,B=0..24, A+B=1..24
Uniport VN/2GT/1E3	Uniport VN appliance with two GE and one E3.
Uniport VN/2GT/[A]V35	Uniport VN appliance with two GE and A x V.35/RS-232, A=1,2.
Uniport VN/2GT/[interfaces][3]	Uniport VN appliance with two GE and mixed interfaces.
Services	
Uniport VN-ETC	Initial appliance configuration: · Network and services pre-configuration. · Customer related basic features installation.
Uniport VN-SLA	Standard Customer SLA: · One ticket per business day · Next business day support

[1] Models upgrade and Customer specific models are available.
[2] Software echo compensation for voice connections. See models with 'e' index for hardware solution.
[3] Please, contact your distributor or service support to compile the model.