

# Integrated Access Gateway

Secure Business Communications

Any Device, Any Place



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Access a new world of feature rich, connected anywhere telephony, at low cost and low risk

wanderbox

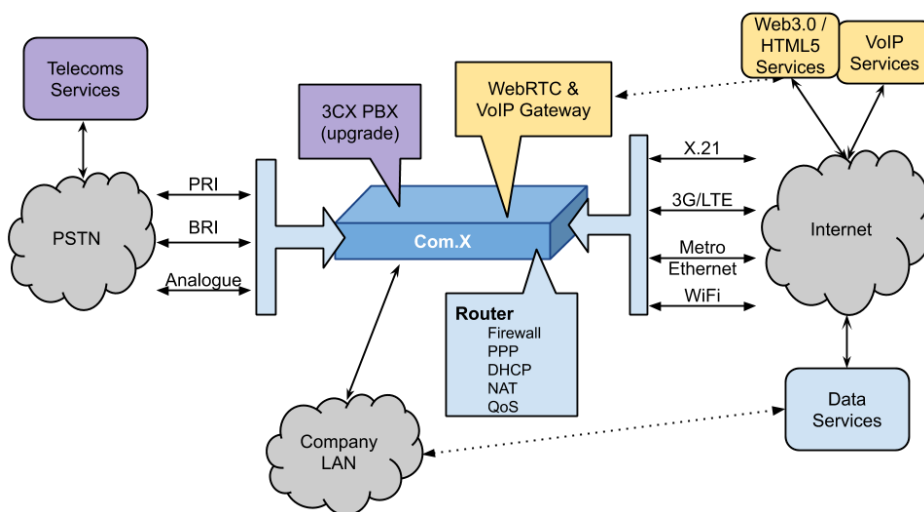


## Voice, Data & Web Services Convergence

- Router/Firewall
- TDM & VoIP Gateway
- Managed Voice and Data services
- POPIA Compliant Call Recording (Atmos integration, from Call Cabinet)

## The Integrated Communicator

- **Managed Services:** wanderweb<sup>net</sup> ready, for secure, host portal to connect, provision and maintain ANY device on ANY network
- **Data:** Router, Firewall, Networking, QoS
- **Telecoms:** Analogue (FXS, FXO), ISDN (BRI, PRI)
- **VoIP:** SIP (TCP & UDP)
- **WebRTC**
- **Broadband IP:** Ethernet, X.21
- **Fixed Wireless Access:** LTE (cat 5 or 6)
- **Software upgrade path:** 3CX PBX



- **Protocols:** HDLC, PPP/PPPoE, IPv4
- **Networking:** DDNS, DHCP, VPN, NTP, SSH, HTTP, VLAN
- **Router:** NAT & NAT traversal, SIP ALG, Port forwarding
- **Firewall:** Policy and Access Control Lists, Filters, DMZ
- **QoS:**
  - Class of Service:
    - VLAN Priority Code Points, IEEE 802.1P
    - Differentiated Services Code Points (DSCP)
  - Quality of Service: ViBE integration
- **IP Gateway**
  - WebRTC, SIP, Analogue, ISDN
  - Back-to-Back User Agent (B2BUA)
  - Call Recording, on device
- **3CX PBX upgrade**
  - Reflash device and add 3CX PBX license
- **Seamless telephony port expansion via LAN based Comma iTA**

## Main features

- **Rack or Desk-mount**
- **Managed Services:** wanderweb<sup>net</sup> Connect, Provision, Monitor centrally via secure host portal
- **CODEC's:** Opus, G.729a, G.723, G.711, G.726, ILBC
- **Interfaces:** IP (WebRTC & SIP), Analogue, BRI, PRI
- **LAN / WAN:**
  - X.21 (DB15)
  - Ethernet (RJ-45)
- **Fixed Mobile Access:** LTE, 1 SIMM, external antenna
- **T.38 fax**
- **On-line, remote software updates**
- **Certification:** TBR3, TBR4, TE-001, EN60950, CISPR22
- **South African design & manufacture**
- **1-year h/w warranty & 1-year s/w assurance**
- **ICASA type approval**

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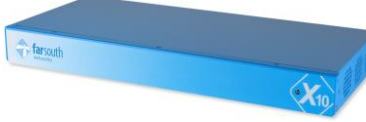

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## Com.X Short-form Specification

	Wanderbox	Wanderbox duo	Com.X10	Com.X20
Product Image				
Market	SOHO	Smaller SMME	Larger SMME	Enterprise
Maximum external calls	4, 8, ... 32	4, 8, ... 32	30, 60, 90 & 120	360
Server Specification	ARM Cortex-A53 Quad Core 1.6GHz RAM 2GB DDR3		Intel Bay Trail N2930 CPU Quad core 1.83GHz RAM: 4GB DDR3	Intel Skylake i7-7700 CPU RAM: 8GB DDR3
Maximum G.729a CODEC's	4, 8, ... 32	4, 8, ... 32	30, 60, 90 & 120	512
Non-volatile Memory Capacity	16GB		128GB MSATA	128GB SSD, or Dual 1TB RAID1 HDD
Form-factor	Desk mount	Rack mount: Half 19" x 1U	19" x 1U	Multiple 19" x 1U
Extensions	IP 0 to 4 analogue (FXS)	IP 0 to 8 analogue (FXS)	IP 2 to 8 analogue (FXS)	IP 100's analogue (FXS)
Trunks	SIP 0 to 8 Analogue (FXO) 2 to 4 BRI	SIP 0 to 8 Analogue (FXO) 4 to 8 BRI	SIP 0 to 8 FXO 4 to 8 BRI 2 to 4 PRI	SIP 100's analogue (FXO) Multiple BRI (Up to) 12 PRI
Telephony Expansion	Unlimited, refer to <a href="#">Comma iTA product page</a>			
WAN	Ethernet Single or Dual LTE (1 SIMM)		GbE X.21 (1984kbps max)	GbE
Fixed Wireless	LTE Cat 5 & Cat 6 (690 to 2700 MHz)		-	-
Ports	2 * 10/100Base-Tx USB2.0 OTG		4 * 10/100/1000Base-Tx 2 * USB2.0	4 * 10/100/1000Base-Tx 6 * USB2.0
Dimensions	130mm x 128mm x 26mm	225mm x 200mm x 44mm	427mm x 200mm x 44mm	
Power Supply	12Vdc, 2A via ext AC/DC adapter		12Vdc, 5A via ext AC/DC adapter	220V, 50Hz & 12Vdc, 5A ext AC/DC adapter
Maximum recorded channels	32		30, 60, 90 & 120	512
Recording Capacity	Internal default: 30,000 minutes (A-law, WAV) 32GB microSD card: 67,000 min (A-law, WAV)		SSD: 260,000 minutes (A-law WAV) Optional HDD: 1,000,000 minutes (A-law format)	