

Com.X IP PBX brochure

Integrated Communicator for SOHO to SMME



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



Com.X IP-PBX is a cost effective, best of breed communications platform for Small to Medium Businesses

Managed Services Portal: Secure, host portal to connect, provision and maintain ANY Com.X device behind ANY corporate firewall

Support any User Type: Leverage existing infra-structure, support existing analogue phones or install a range of IP phones of your choice

Future Proof your Purchase: Feature updates from the cloud. Seamless addition of real time Call Center Analyser and hosted "Call Logging" app's

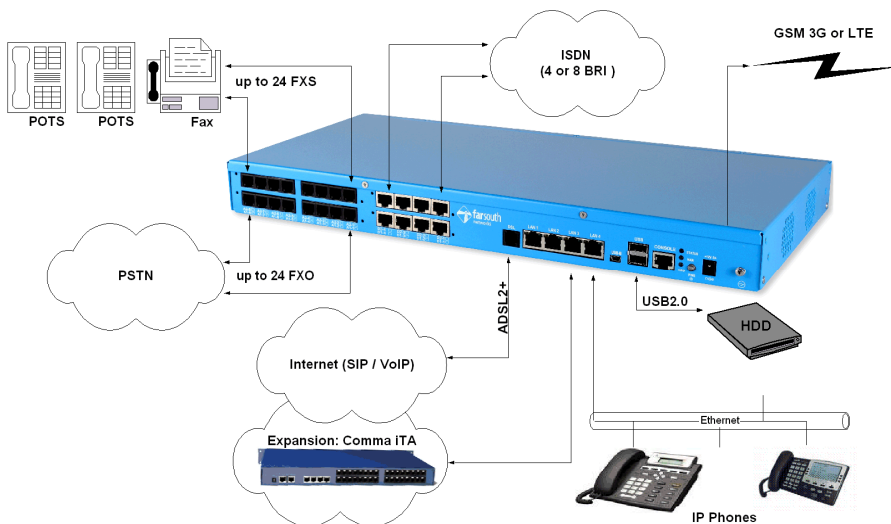
Increased Business Efficiency: Secure, unified communications connecting multi-branch environments and remote workers

Increased productivity: Queues, IVR, Call backs, Call Barging, Click to Dial, Integrated Call Recording, Voice Mail to Email, more

Managing the telecoms budget: Fix the available call minutes routed to your service provider/s and secure outbound calls via pin code entry

Voice and Data Convergence

- "3-in-One" package: Router/Firewall + SIP Gateway + PBX
- Managed and secure voice and data services
- Dynamic, multi-level call routing prioritisation
- Advanced QoS for simultaneous Voice and Data transfer across IP WAN



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- **Networking:** DHCP, VPN, VAN, HTTP
- **Router/Firewall:** NAT & NAT traversal, SIP ALG, ACL, Filters, DMZ
- **QoS:**
 - Class of Service:
 - VLAN Priority Code Points, IEEE 802.1P
 - Differentiated Services Code Points (DSCP)
 - ViBE integration (optional)
- **SIP Gateway:**
 - Back-to-Back User Agent (B2BUA)
 - Call Recording, on device
 - Budget Trunk: Set available call minutes per month, per trunk
 - T.38 fax
- **PBX features:** IVR, Call transfer, Follow-Me, Call forward, Pick-up, Parking and Camp On, Ring Groups, Voice Mail, Multi-tenant, Click to call, Operator panel, Outlook integration, Intercom and paging, DISA, Phone book, Time Groups, Class of Service calls, Email support (voice mail & alerts), UPS management, TAPI support, including many more...

Platform Main Features:


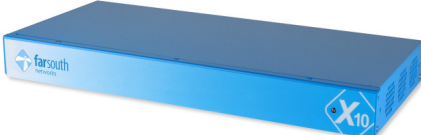

- **Rack or Desk-mount**
- **Managed Services:** Connect, Provision, Monitor centrally via secure host portal
- **CODEC's:** include G.729a, G.711 (A/u), G.723, G.726, ILBC, GSM
- **Telephony interface options:**
 - Analogue (FXO)
 - ISDN: Basic Rate and Primary Rate
 - Users: Analogue (FXS), IP extensions
- **Expansion via LAN based Comma iTA**
- **LAN / WAN:**
 - 4-port Gigabit Ethernet (RJ-45)
 - ADSL2+ (RJ-11)
 - X.21 (DB15)
 - WiFi 802.11 a/b/g Access Point
- **Fixed Mobile Access: GSM, 3G or LTE, 1 SIMM, dual diversity antenna**
- **IP phone auto-provisioning: Yealink, SNOM, Polycom**
- **On-line, remote software updates**
- **Licensed features:**
 - Operator Panel: Web UI for Switchboard Operator and User access
 - Hosted "Call Logger" (encrypted to FAIS, FICA, POPI compliant)
 - "Real Time" Call Center Analyser: Agent and Queue Statistics & Report Generator
- **TR-069 enabled**
- **Certification: TBR3, TBR4, TE-001, EN60950, CISPR22**
- **CDR's with 3rd party TMS support**
- **1-year h/w warranty, 1-year s/w maintenance program**
- **ICASA type approval. Neotel approved.**

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Com.X Short-form Specification

	Com.X5		Com.X10		Com.X20
Product Image					
Market	SOHO to SMB		SMME		Enterprise
Users	Up to 50	Up to 100	Up to 150	Up to 250	Up to 1000
Server Specification	Intel Atom E620 600MHz RAM: 512MB DDR2	Intel Atom E660 1.3GHz RAM: 512MB DDR2	Intel Atom D425, 1.6GHz RAM: 1GB DDR3	Intel Atom D525, Dual Core 1.6GHz RAM: 2GB DDR3	Intel i7 Quad Core 1.6GHz RAM: 8GB DDR3
Maximum G.729 CODEC's	8	16	30	60	360
Simultaneous Calls	16	32	60	120	720
Non-volatile Memory Capacity	16GB SD	16GB SD Optional: 60GB SSD, or 320GB RAID 1 HDD	60GB SSD Optional: Dual 320GB RAID 1 HDD		128GB SSD, or Dual 500GB RAID1 HDD
Form-factor	Half 19" x 1U	19" x 1U	19" x 1U		Multiple 19" x 1U
Extensions	IP 2 to 8 analogue (FXS)	IP 2 to 24 analogue (FXS)	IP 8 to 16 analogue (FXS)		IP 100's analogue (FXS)
Trunks	SIP 2 to 8 analogue (FXO) 4 to 8 BRI	SIP 2 to 24 analogue (FXO) 4 to 8 BRI	SIP 8 to 16 FXO 4 BRI 1 PRI	SIP 4 to 8 BRI 1 to 2 PRI	SIP 100's analogue (FXO) Multiple BRI (up to) 12 PRI
WAN	X.21 (1984kbps max) GbE 3G, LTE (1 SIMM)		X.21 (1984kbps max) GbE 3G, LTE (1 SIMM)		GbE
	-	ADSL2+			
Fixed Wireless	HSPA+ 21Mbps (850/900/1900/2100 MHz) LTE 100Mbps (800/900/1800/2100/2600 MHz)		HSPA+ 21Mbps (850/900/1900/2100 MHz) LTE 100Mbps (800/900/1800/2100/2600 MHz)		-
Telephony Expansion	Unlimited using Comma iTA		Unlimited using Comma iTA		Unlimited using Comma iTA
Ports	4 * 100/1000Base-Tx USB2.0: 2		3 * 100/1000Base-Tx USB2.0: 2		4 * 100/1000Base-Tx USB2.0: 6
Mount	1U rack or desk mount		1U rack or desk mount		19" rack mount (optional: 4U or 6U wall mount rack)
Dimensions	225mm x 200mm x 44mm	445mm x 200mm x 44mm	427mm x 200mm x 44mm		
Power Supply	12Vdc, 5A via ext AC/DC adapter		12Vdc, 5A via ext AC/DC adapter		220V, 50Hz & 12Vdc, 5A ext AC/DC adapter
Maximum recorded channels	8 (SD card)	16 (SATA drive)	30	60	360
Recording Capacity	SD: 100,000 min (gsm format) SSD: 450,000 min (gsm format) HDD: 500,000 min (A-law format)		SSD: 450,000 minutes (gsm format) HDD: 500,000 minutes (A-law format)		SSD: 900,000 minutes (gsm format) HDD: 1,000,000 minutes (A-law format)

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