
Com.X5Lite & Wanderbox comparison



<http://www.farsouthnet.com>

Quick Start

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This document presents a comparison between Com.X5Lite and Wanderbox product, from an installation and configuration perspective.

Other relevant technical documents:

Com.X Administrator's Guide: <http://www.farsouthnet.com/wp-content/uploads/2011/06/Com.X-administrator-guide-1.3-ver3.0.4.pdf>

Wanderbox and Com.X user guides and install guides are available at: <http://www.farsouthnet.com/support/manuals/>

Summary of differences

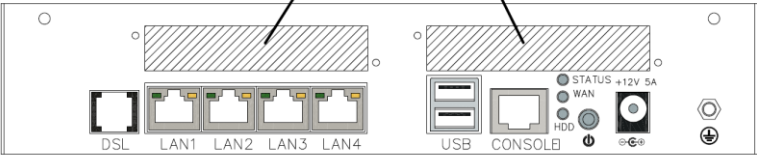

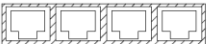

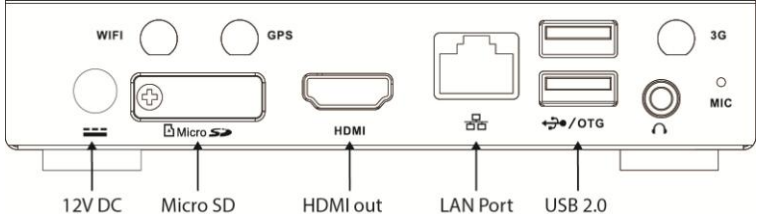
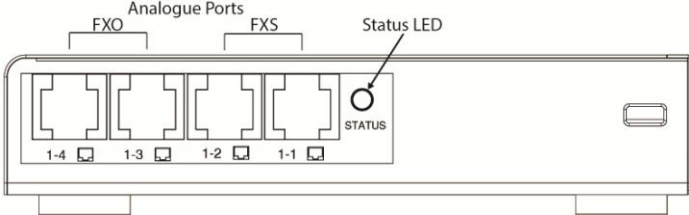
- Packaging (X5Lite = rack or desk mount, Wanderbox = desk mount)
- Console port (X5Lite = RJ45, Wanderbox = USB)
- Quantity of LAN (Com.X5Lite = 4 Ethernet, Wanderbox = 1 or (optional) 2 Ethernet & WLAN)
- Recording storage (X5 = 16GB SD card or 60GB SSD, Wanderbox = 8GB Flash expandable to 32GB micro SD card)



Summary of similarities

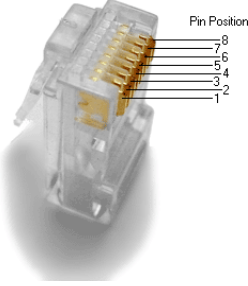
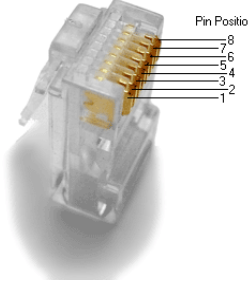
- Software packages and components (identical GUI, SSH etc)
- Telecoms ports: Basic Rate ISDN, Analogue PSTN lines (FXO), Analogue phones (FXS)
- VoIP/SIP: 4, 8, 12 and 16 channels

Overview

The table below presents an overview of the differences and similarities between the Com.X5Lite and Wanderbox products, with particular focus on installation and configuration support:

Features	Com.X5Lite	Wanderbox
Mechanicals	½ * 19" rack mount or desk mount	Desk mount only
Interfaces	<p>Rear view:</p>  <p>Option Slots</p> <p>Options</p> <ul style="list-style-type: none"> or  BRI Card or  2FXO-2FXS or  X.21 Card <p>2 telecom line card slots:</p> <ul style="list-style-type: none"> • 2 FXO x 2 FXS, 4 FXS or 4 FXO • 2 or 4 port Basic Rate ISDN (TE or NT mode) 	<p>Rear view:</p>  <p>Side view:</p>  <p>1 telecom line card slots:</p> <ul style="list-style-type: none"> • 2FXO x 2 FXS, 4 FXS or 4 FXO • 2 or 4 port Basic Rate ISDN (TE or NT mode) • 1 port 10/100Base-T Ethernet

Visual indications	<p>Front panel LED:</p> <ul style="list-style-type: none"> • RED, System boot fault • YELLOW, Boot • YELLOW, Flashing: Waiting for PSTN connectivity • GREEN: System operational 	<p>Front panel LED:</p> <ul style="list-style-type: none"> • RED, System boot fault • GREEN, System operational <p>(Telephony) Status LED:</p> <ul style="list-style-type: none"> • GREEN, Fully functional • GREEN Flashing, internal network error • ORANGE, Booting state • RED Flashing, Fault state • OFF, Power off 																																										
Telephony slots	<p>Slots</p> <ul style="list-style-type: none"> • Slot 1: Port 1 to 4 • Slot 2: Port 5 to 8 	<p>Slot:</p> <ul style="list-style-type: none"> • Slot 1: Port 1 to 4 • Slot 2: N/A 																																										
Analogue (FXO & FXS)	<p>Standard RJ11 pin out</p>  <table border="1" data-bbox="371 1222 822 1445"> <thead> <tr> <th>Position</th> <th>Pin#</th> <th>Definition</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1</td> <td>-</td> </tr> <tr> <td>2</td> <td>2</td> <td>-</td> </tr> <tr> <td>3</td> <td>3</td> <td>Tip</td> </tr> <tr> <td>4</td> <td>4</td> <td>Ring</td> </tr> <tr> <td>5</td> <td>5</td> <td>-</td> </tr> <tr> <td>6</td> <td>6</td> <td>-</td> </tr> </tbody> </table>	Position	Pin#	Definition	1	1	-	2	2	-	3	3	Tip	4	4	Ring	5	5	-	6	6	-	<p>Standard RJ11 pin out</p>  <table border="1" data-bbox="1272 1212 1722 1445"> <thead> <tr> <th>Position</th> <th>Pin#</th> <th>Definition</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1</td> <td>-</td> </tr> <tr> <td>2</td> <td>2</td> <td>-</td> </tr> <tr> <td>3</td> <td>3</td> <td>Tip</td> </tr> <tr> <td>4</td> <td>4</td> <td>Ring</td> </tr> <tr> <td>5</td> <td>5</td> <td>-</td> </tr> <tr> <td>6</td> <td>6</td> <td>-</td> </tr> </tbody> </table>	Position	Pin#	Definition	1	1	-	2	2	-	3	3	Tip	4	4	Ring	5	5	-	6	6	-
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Ethernet (LAN/WAN)	<p>Four 10/100/1000Base-Tx Ethernet interfaces</p> <p>Connector type: RJ45, 8P8C type</p>  <p>Connector pin-outs:</p> <table border="1" data-bbox="371 667 1115 962"> <thead> <tr> <th>Position</th> <th>Pin#</th> <th>Function</th> <th>Comments</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1</td> <td>Tx+</td> <td></td> </tr> <tr> <td>2</td> <td>2</td> <td>Tx-</td> <td></td> </tr> <tr> <td>3</td> <td>3</td> <td>Rx+</td> <td></td> </tr> <tr> <td>4</td> <td>4</td> <td>-</td> <td>Balance "Bob-T" termination</td> </tr> <tr> <td>5</td> <td>5</td> <td>-</td> <td>Balance "Bob-T" termination</td> </tr> <tr> <td>6</td> <td>6</td> <td>Rx-</td> <td></td> </tr> <tr> <td>7</td> <td>7</td> <td>-</td> <td>Balance "Bob-T" termination</td> </tr> <tr> <td>8</td> <td>8</td> <td>-</td> <td>Balance "Bob-T" termination</td> </tr> </tbody> </table> <p>Cable: Cat5 or 5e cable as defined by TIA/EIA-568-B</p>	Position	Pin#	Function	Comments	1	1	Tx+		2	2	Tx-		3	3	Rx+		4	4	-	Balance "Bob-T" termination	5	5	-	Balance "Bob-T" termination	6	6	Rx-		7	7	-	Balance "Bob-T" termination	8	8	-	Balance "Bob-T" termination	<p>One or Two 10/100Base-Tx Ethernet interfaces</p> <p>Connector type: RJ45, 8P8C type</p>  <p>Connector pin-outs:</p> <table border="1" data-bbox="1272 667 2004 962"> <thead> <tr> <th>Position</th> <th>Pin#</th> <th>Function</th> <th>Comments</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1</td> <td>Tx+</td> <td></td> </tr> <tr> <td>2</td> <td>2</td> <td>Tx-</td> <td></td> </tr> <tr> <td>3</td> <td>3</td> <td>Rx+</td> <td></td> </tr> <tr> <td>4</td> <td>4</td> <td>-</td> <td>Balance "Bob-T" termination</td> </tr> <tr> <td>5</td> <td>5</td> <td>-</td> <td>Balance "Bob-T" termination</td> </tr> <tr> <td>6</td> <td>6</td> <td>Rx-</td> <td></td> </tr> <tr> <td>7</td> <td>7</td> <td>-</td> <td>Balance "Bob-T" termination</td> </tr> <tr> <td>8</td> <td>8</td> <td>-</td> <td>Balance "Bob-T" termination</td> </tr> </tbody> </table> <p>Cable: Cat5 or 5e cable as defined by TIA/EIA-568-B.</p>	Position	Pin#	Function	Comments	1	1	Tx+		2	2	Tx-		3	3	Rx+		4	4	-	Balance "Bob-T" termination	5	5	-	Balance "Bob-T" termination	6	6	Rx-		7	7	-	Balance "Bob-T" termination	8	8	-	Balance "Bob-T" termination
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Networking	<p>LAN 1: DHCP client</p> <p>LAN 2: 192.168.101.1</p> <p>LAN 3: 192.168.102.1</p> <p>LAN 4: 192.168.103.1</p>	<p>LAN 1: DHCP client</p> <p>LAN 2: 192.168.101.1 (when installed)</p> <p>USB 0 (OTG): 192.168.102.1</p> <p>VLAN1.103: 192.168.103.1</p> <p>WLAN: 192.168.104.1 (Default: Access point mode)</p>																																																																								
Console port	COM port (UART), RJ45	LAN (Ethernet) USB2.0 (OTG)																																																																								
Other IO	USB0 & USB1, Com port (UART), On/Off button	USB1, HDMI port, WiFi antenna connector, On/Off button.																																																																								

Power	Supplied with 12V,2.5A AC/DC supply for Chassis GND, 12V DC input	Supplied with 12V,2.5A AC/DC supply for GND, 12V DC input
Quick start install guide	<ol style="list-style-type: none"> 1. Connect the power adapter to the server and to mains supply and turn the server on. 2. Connect the Com.X5 server to a LAN switch using LAN1 port (Eth0) and a Cat5e cable. 3. Connect FXS ports to telephones, fax machines etc. using standard Cat3, twisted pair cables. 4. Connect FXO ports to telco lines, PBXs, etc. using standard Cat3, twisted pair cables. 5. Connect BRI ports to telco NT equipment or PBXs using standard S/T RJ-45 cables. 	<ol style="list-style-type: none"> 1. Connect the power adapter to the server and to mains supply and turn the server on. 2. Connect the Wanderbox to the LAN switch using the Ethernet port and a standard Ethernet cable. 3. Connect FXS ports to telephones, fax machines etc. using standard RJ-11 cables. 4. Connect FXO ports to telco lines, PBX's, etc. using standard RJ-11 cables. 5. No BRI ports available
Software support	<p>Unit ships with standard Comma packages:</p> <ul style="list-style-type: none"> • Com.X GUI 1.4.59 • Com.X Base 1.4.59 	<p>Unit ships with standard Comma packages</p> <ul style="list-style-type: none"> • Com.X GUI 1.4.59 • MX Base 1.4.59
Accessing GUI	<p>Default access details for the Com.X5's are:</p> <p>user: comma</p> <p>password: farsouth</p> <p>The Com.X5 server GUI can be accessed using the URL:</p> <ol style="list-style-type: none"> 1. <a href="http://<ip>">http://<ip>, where <ip> is the IP addressed assigned to the unit via DHCP, or one of the statically configured IP's. 	<p>Default access details for the Wanderbox are:</p> <p>user: comma</p> <p>password: farsouth</p> <p>The Wanderbox server GUI can be accessed using the URL:</p> <ol style="list-style-type: none"> 1. <a href="http://<ip>">http://<ip> - where <ip> is the IP addressed assigned to

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