













Table 2 – XML Configuration Parameters

Configuration Section	Configuration Sub-Section	Configuration Parameter	Default Value	Valid Values	Description
interface	eth0	dhcp	enable	enable, disable Accepts an IPv4 address and mask as either: 1 IP address only (192.168.1.1) gets a default mask. 2 CIDR (192.168.1.1/24). 3 Explicit mask (192.168.1.1 255.255.255.0)	Determines if IPv4 DHCP is used. If this is set to disabled, then a Static IPv4 Address needs to be specified in the IP Address Configuration Parameter.
		ip address	&#60;None&#62;		If IPv4 DHCP is disabled, then an IPv4 Address must be entered here.
		default gateway	&#60;None&#62;	Accepts in IPv4 address in dotted notation (192.168.1.1)	If IPv4 DHCP is disabled, enter the IPv4 Gateway IP Address.
interface	eth0	dhcpv6	enable	enable, disable	Determines if IPv6 DHCP is used. If this is set to disabled, then a Static IPv6 Address needs to be specified in the IP Address Configuration Parameter.
interface	eth0	ipv6 address	&#60;None&#62;	Accepts an IPv6 address	If IPv6 DHCP is disabled, then an IPv6 Address must be entered here.
interface	eth0	ipv6 default gateway	&#60;None&#62;	Accepts an IPv6 address in colon notation (2001:0db8:85a3:0042:0000:8a2e:0370:7334)	If IPv6 DHCP is disabled, enter the IPv6 Gateway IP Address.
interface	eth0	hostname			Sets the hostname that is used with DHCP.
oem		mac address			Allows for an alternate MAC Address to be entered here supporting the failover configuration described in the <i>D6600/D6100/IPv6 I&amp;O Guide (4998122704)</i> .
device		short name	D6686		Sets the product short name displayed in command mode. (Max of 8 Characters)
device		long name	Bosch D6686		Sets the product long name displayed in command mode.
bosch tunnel	1 or 2	local port	7700 (tunnel 1) / 7701 (tunnel 2)		IP Port number the D6686 is listening on for IP traffic relative to each serial port. See the failover configuration described in the <i>D6600/D6100/IPv6 I&amp;O Guide (4998122704)</i> .
bosch tunnel	1 or 2	protocol	UDP	UDP, UDP AES	Determines the protocol to be used depending whether encryption is being used. (See <i>Important Note on next page</i> )
bosch tunnel	1 or 2	aes key size	128	128, 192, 256	Determines the Encryption Key Size in number of bits. Enter the 16 to 32 Hexadecimal characters depending upon the Key size entered: 128-bit requires 16 Hex characters 192-bit requires 24 Hex characters 256-bit requires 32 Hex characters
bosch tunnel	1 or 2	aes key	01020304050607080910111213141516	16 to 32 Hexadecimal characters	DO NOT CHANGE. This instructs the module to reboot after the parameters are loaded into the device to begin using the new configuration. Eliminates the need to cycle power to the device. If this is changed from enabled, it will require a power cycle for the new configuration to take effect.
xml import control		reboot	enable	enable, disable	

9. Click on the **Save XML As** button to save the changes made and enter a name for these configuration settings.
  10. Click on the **Upload XML** button to send these changes to the D6686. The device will save the changes and reboot with the new configuration.
  11. Disconnect the Ethernet cable connecting the PC and the D6686 and connect the D6686 to the network switch or router as required.
- The type of communicators reporting to the receiver
  - The number and type of receiving lines in use
  - Sending the files back to the D6600 (CPU/Host/Network, Account Database, or Line Card)
  - Upgrading the Software installed in the D6600 (CPU, System, or PSTN line cards)



The D6686 is a Lantronix EDS-2100 with custom firmware installed and UL Listed for use on the D6600. If standard Lantronix firmware is installed on a D6686, the device will no longer function on a D6600.



If encryption is enabled on the D6686, you must enable it on all field devices (B420, DX4020-G, B5512, etc) with the same key. Encryption must also be enabled in the D6600 Receiver. Refer to the *D6600 Program Entry Guide* (P/N: 4998122702).



The network interface module (DX4020, C900V2, C900TTL-E, or D9133TTL-E) must have the proper software version to support encryption. For more details, refer to the *Device Installer Operation and Installation Guide* (P/N: 4998138688).

Refer to the *D6200 Software Operation and Installation Guide* (P/N: 4998154991) for information and procedures on how to accomplish these tasks.

### 3.5 Programming Overview for the D6600

The D6600 Receiver is shipped with factory default program parameters and features already installed. Descriptions of the program items are found in the *D6600 Program Entry Guide* (P/N: 4998122702). Many of the operational features of the D6600 can be altered through programming options. The programming options you choose depend on:

- The type(s) of peripheral reporting device(s) used in your central station (for example external printer or automation computer)
- The supervision characteristics for these devices



## 4.0 Specifications

Table 2: Specifications		
<b>Supported Protocols</b>	ARP, UDP/IP, TCP/IP, Telnet, ICMP, SNMP, DHCP, BOOTP, TFTP, and FTP	
<b>Connectors</b>		
	<b>Serial:</b>	2 - DB9M DTE serial ports
	<b>Network:</b>	1 - RJ45 10Base-T/100Base-TX Ethernet port
<b>Cables</b>		
	<b>Ethernet:</b>	CAT5 or better unshielded twisted pair <b>Max Length:</b> 6 m (20 ft) and installed in same enclosure/rack as D6600.
	<b>RS-232:</b>	<b>Max Length:</b> 6 m (20 ft) and installed in same enclosure/rack as D6600.
<b>Data Rates</b>	Serial speed ranging from 300 bps to 115.2 kbps (D6600 supports 38400 bps)	
<b>Serial Line Formats</b>		
	<b>Characters</b>	7 or 8 data bits
	<b>Stop bits:</b>	1 or 2
	<b>Parity:</b>	Odd, even, none
<b>Modem Controls</b>	DTR, DSR	
<b>Flow Control</b>	Software: XON/XOFF Hardware: CTS/RTS	
<b>Management</b>	FTP SNMP (read only) Serial login Telnet login	
<b>System Software</b>	Flash ROM standard: downloadable from a TCP/IP host (TFTP), FTP, or over serial port	
<b>Diagnostic LEDs</b>	Power 10/100 Mb Link on RJ45, 10/100 Activity on RJ45 RX Serial 1 Activity, TX Serial 1 Activity, RX Serial 2 Activity, TX Serial 2 Activity	
<b>Compatibility</b>	Ethernet: v2.0/IEEE 802.3 D6600	
<b>AC Current Required</b>	UPS Standby Current: 0.4 A	
<b>Power Input</b>	<b>Transformer: Group West, Part Number 48D-12-900.</b> <b>AC nominal operating range:</b> 120 VAC, 60 Hz, 0.15A max	
<b>Standby Power</b>	An uninterrupted power supply (UPS) is required for use with the D6686, when used for UL Fire (UL864) Protective Signaling Systems. A 60 hr. minimum UPS standby power supply is required for UL Certification.	
<b>Environmental</b>		
	<b>Operating Temperature:</b>	0° to 50° C (32° to 122° F)
	<b>Storage Temperature:</b>	-40° to 85° C (-40° to 185° F)
<b>Dimensions (H x W x D):</b>		
	<b>Unit:</b>	3.75 in. x 2.9 in. x .9 in. (9.5 cm x 7.3 cm x 2.3 mm)
<b>Weight</b>	0.6 lbs. (0.26 kg)	

## NOTES

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**Bosch Security Systems B.V.**  
Torenallee 49  
5617 BA Eindhoven  
Netherlands  
[www.boschsecurity.com](http://www.boschsecurity.com)



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