



CLOUD CONNECT SYSTEM SECURITY

The DXi Platform—consisting of irrigation controllers, Cloud Connect, and associated communication protocols and mediums—implements numerous components that address security and reliability.

FEATURES & BENEFITS



Secure Controller Communication

AES 256-bit Encryption with a secure certificate and dynamic keys provides the same level of security between the irrigation controllers and the servers that the NSA has authorized for use by the Federal Government.



REDUNDANT SERVER FARM

Irrigation controllers connect to multiple servers that provide redundancy in the event of any temporary issue with a single server.



REAL-TIME SYSTEM MONITORING

Ensures reliable communication between the server and irrigation controllers.



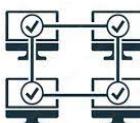
SECURE SSL-PROTECTED WEBSITE

Provides encrypted communication between the servers and user, web-based clients.



SECURE PASSWORDS

Passwords required for system access which are stored only in encrypted form.



SECURE COMMUNICATION PROTOCOL

Technology to detect and reject any attempt to inject unauthorized commands to irrigation controllers so your controllers follow only your commands.



EXHAUSTIVE LOGGING

A comprehensive set of communication and operational system logging options both at the server and irrigation controller allows us to analyze, optimize, and resolve issues in real-time.



AUTOMATIC REGULAR BACKUPS

The entire platform is automatically backed-up on a regular basis allowing for quick recovery in the case of any problems with the system.

CLOUD CONNECT SERVER & PORT

CONTROLLERS

Connected via Ethernet, Cell, or WiFi

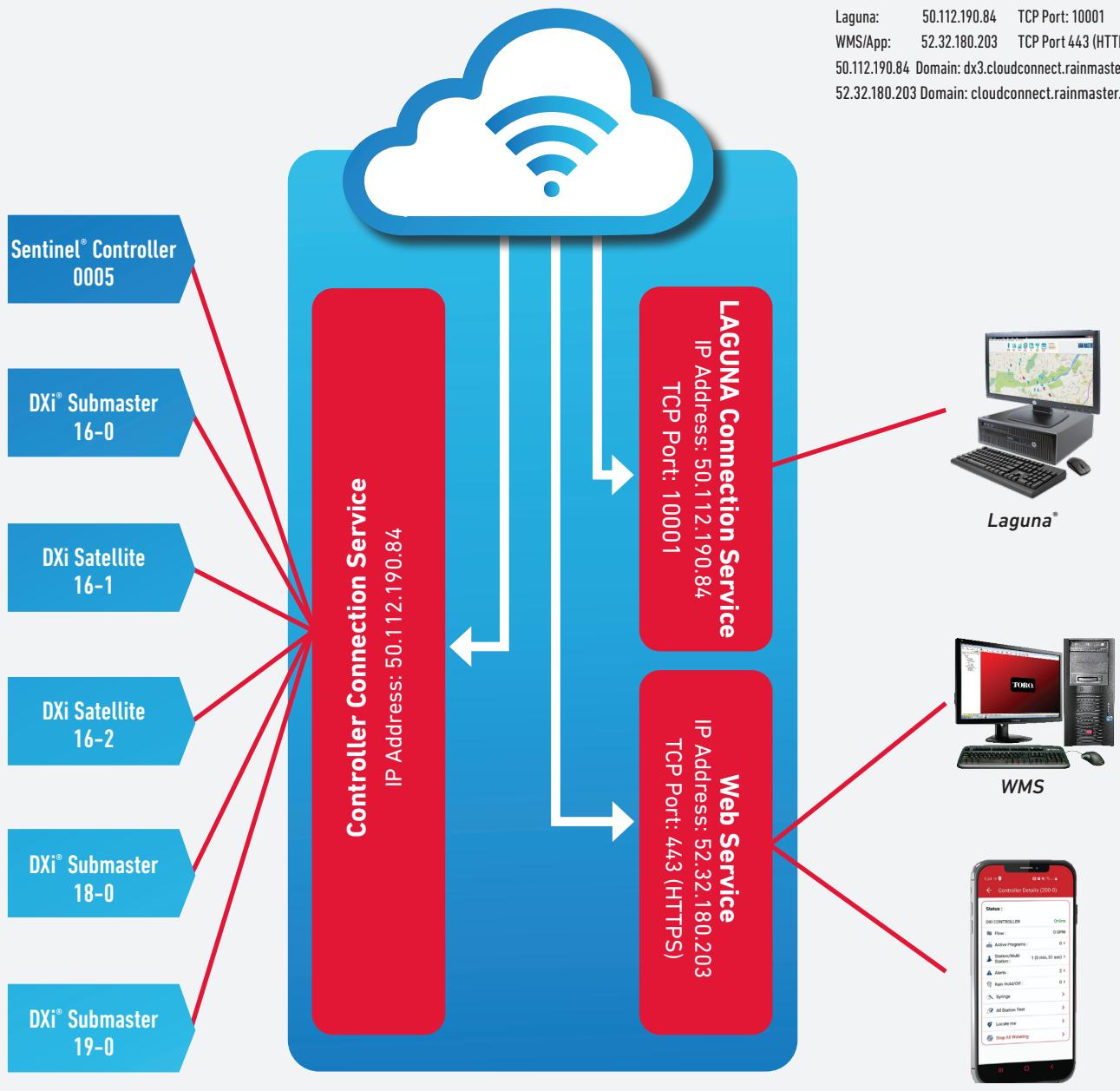
CLOUD CONNECT SERVER

Connected via Ethernet, Cell, or WiFi

FIREWALL ACCESS

Outbound access required to the following:

Controllers:	50.112.190.84	TCP Port: 5101-5199
Laguna:	50.112.190.84	TCP Port: 10001
WMS/App:	52.32.180.203	TCP Port 443 (HTTPS)
50.112.190.84 Domain:	dx3.cloudconnect.rainmaster.com	
52.32.180.203 Domain:	cloudconnect.rainmaster.com	



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