

# TM Hydro-X Controllers Comparison Chart



**Hydro-X ( HCS-1 )**



**Hydro-X Plus ( HCS-3 )**



**Hydro-X Pro ( HCS-2 )**

## Quick Look

Size	Backlit 128 x 128 LCD Display	7" LED Screen	10.1" LED Screen
Control	Button Control	Touchscreen Control	Touchscreen Control
Save / Copy / Import / Export data	Micro-SD	Micro-SD	USB
Firmware Update	Micro-SD	USB / Online	USB / Online
Package Content	Hydro-X Controller x 1 Commercial 3-in-1 Sensor x 1 RJ12 Cable Set x 1 Mounting Plate x 1	Hydro-X Plus Controller x 1 Commercial 4-in-1 Sensor x 1 RJ12 Cable Set x 1 Mounting Plate x 1	Hydro-X Pro Controller x 1 Commercial 4-in-1 Sensor x 1 RJ12 Cable Set x 1 Mounting Plate x 1

## Product Capacity

### MAX. Number Of Sensors

- 3-in-1 Sensor (Temp & Humidity & DayNight)	Max. 1 pc	—	—
- CO2 Sensor	Max. 1 pc	—	—
- 4-in-1 Sensor (Temp & Hymidity & CO2 & DayNight)	—	Max. 1 pc	Up to 50 Different Sensor In Combination
- PAR Sensor	Max. 1 pc	Max. 1 pc	
- Water Detectors	Max. 5 pcs	Max. 10 pcs	
- Smoke Detectors	Max. 5 pcs	Max. 10 pcs	

### MAX. Number Of Control Modules

- Temp Device Stations	Max. 4 pcs	Max. 8 pcs	Up to 50 Different Control Modules In Combination
- Humidity Stations	Max. 2 pcs	Max. 8 pcs	
- CO2 Device Stations	Max. 2 pcs	Max. 4 pcs	
- Program Device Stations	Max. 9 pcs	Max. 12 pcs	

## Internet Connectivity

Remote Control / Monitoring	App	App	Web-based Program/App
-----------------------------	-----	-----	-----------------------

## Lighting Control

Sunrise / Sunset Lighting Control	✓	✓	✓
Controls 2 Separate Lighting Channels	✓	✓	✓
Controls Lights Using PPF / PAR meter	✓	✓	✓
DLI Control & Monitoring	—	✓	✓
4 Spectrum Control ( ThinkGrow LEDs )	—	✓	✓
Group Control ( 10 x 2 ) ( ThinkGrow LEDs )	—	✓	✓
Cloud Effect ( ThinkGrow LEDs )	—	✓	✓

## Climate Control

Separate Day-Night Setting	✓	✓	✓
Controls HVAC & Mini-Split Acs	✓	✓	✓
Controls Commercial Humidifiers / Dehu	✓	✓	✓
Controls Timer Devices	✓	✓	✓
Controls Supplemental CO2	✓	✓	✓
Multiple Zones Monitoring & Control	—	—	✓
Recycle Timer	✓	✓	✓
Individual Time Schedules	Single Schedule Per Day	Up to 50 Schedules Per Day	Up to 50 Schedules Per Day

## Advanced Features

Sunrise / Sunset Climate Control	—	—	✓
Calendar Reminders	—	—	✓
Calendar Control - Predetermined "Recipes"	—	—	✓
Spray Mode (Temporarily Shuts Off Devices)	—	—	✓
Smoke Alarm Control	—	—	✓
Monitors Media Moisture Level	—	—	✓