



## Vess A8020 Data Sheet

SMARTBOOST  
The hidden force.



### Features

- ▶ **Extensive VMS Support**  
Certified and tested with the world's leading video management software.
- ▶ **Cost Effective**  
Integrated solution results in less management overhead.
- ▶ **Easy to Administer & Maintain**  
Hot swappable drive bays and One Plug Auto Service (OPAS) ensure Vess A8020 is easy to administer, maintain and service.
- ▶ **Ideal for Small Installation**  
Perfect for small surveillance network in small space or hardened security unit where failure is not an option.

### PROMISE Alliance Partners



#### Optimized for Surveillance

Specially engineered for IP video surveillance deployment on smaller scale networks that require robust, reliable video storage and management; or where discretion and physical security of the system hardware is required, such as banks, ATMs, luxury shops.

#### Compact Size for Discreet Deployment

Small dimensions of the enclosure allow the unit to be discretely hidden on site in a small space or hardened security container.

#### Reliable and Affordable x86 Platform

For the critical HW/SW requirement of surveillance systems, the proven stability and reliability of the Intel x86 platform is the best choice. Vess A8020 offers the Intel x86 platform in an affordable design.

#### SMARTBOOST™ Technology Inside

PROMISE proprietary SMARTBOOST™ Technology creates the most stable and high-performance storage solution for your surveillance system. Performance that can be limited by storage equipment bottlenecks is significantly improved by Promise SMARTBOOST™ Technology. With the optimized software features and Vess A8020 has the best stability and storage performance with the best C/P ratio.

#### Reduced Complexity of Maintenance with OPAS

One Plug Auto Service (OPAS) is a feature unique to Promise Vess A series solutions. OPAS offers greater user convenience and reduces maintenance complexity of technical support. OPAS enables users to easily collect all the necessary logs and data used by the Promise support team to analyze the status of Vess A-Series Storage appliances.

## Technical Specifications

<b>Vess A8020</b>	
Model	 
General Information	
Camera Range <sup>1</sup>	16
Form Factor	Tower Base
Number Of Drives	2 Drives (3.5")
Drive Type	6Gbs SATA @ 3.5"
# of Controllers	Single
System Processor	Intel Core i3-9100E <sup>2</sup>
System Memory	8GB Default (Max 32GB)
Network Interface	2x Gigabit Ethernet
Internal Storage (M.2)	128GB
Storage Expansion	Optional Promise Vess R/J series via iSCSI
iAMT Support	YES
Other Interfaces	
# of USB Ports	Front: 2x USB 3.0, Back: 4x USB 3.0, 2x USB 2.0
Graphics	1x D-sub VGA, 1x HDMI, 1x DP port
Optical S/PDIF	YES
Audio I/O	3x 3.5mm Audio Jack
RAID Operational Feature	
RAID Levels	0, 1
Max. LUNs per System/Array	16/2
Software	
OS Supported (64-bit)	Windows 10, WSS2019 <sup>3</sup>
Management Tools	Graphical UI/SNMP via Ethernet, CLI/CLU via Ethernet or Graphics, OPAS Service via USB, iAMT, SDK or API for Integration
Appliance Mode	Surveillance Optimization @ Arrays in Normal and Degrade
Event Notification	Email, SNMP, Buzzer, LEDs
System Information	
AC Input	100 ~ 240V AC, 60 ~ 50Hz
Current (Maximum)	2A
Power Supply	250W Single ATX
Temperature	10° ~ 35°C (-40° ~ 70°C non-operational)
Dimensions (H x W x D)	130 x 185 x 245.2 mm
Weight	System W/ HDD: 4.86 kg
Safety/EMI	CE, FCC, VCCI, RCM, BSMI, KC, (Class A), CB <span style="float: right;">VES0709</span>
Warranty and Support	
Warranty	3 year limited warranty
Optional Accessories	8/16GB DDR Memory

1.The ideal camera range were the test output with fully populated enclosure and 8GB memory under 25FPS, H.264, 5Mbps Bitrate and 1080P resolution

2.The final spec may be various without further notice, please check with Promise website for the latest information

3.CPU/OS can be optionally upgraded for project based.

