

TECHNICAL DATA SHEET

DS0112 rev 47

ASPECT®-Enterprise



DESCRIPTION

ASPECT®-Enterprise is a server-based variant that provides all of the powerful features of ASPECT®, but is installed on specified server hardware. As this solution is hosted by the end-user, it requires no proprietary hardware, but requires the purchase of ASPECT®-Enterprise software. This allows the ease of on-site installations and fewer restrictions on requirements. In addition, it integrates with popular Internet programs (appropriate security measures required, such as VPN or firewall) to allow end- users more freedom. With ASPECT®, your PC, tablet, or smart device can integrate with your building easily and efficiently.

Whether the platform is a server running VMware®, a standard server box or complex rack-mountable network appliance, ASPECT®-Enterprise provides the capability, security, and the specification to meet the requirements of almost any project at an affordable price.

APPLICATION

ASPECT-Enterprise includes ASPECT Supervisor with a BACnet Operator Workstation (B-OWS) device profile.

A capacity based licensing model makes ASPECT®-Enterprise server software scalable for medium to large buildings applications, including a campus environment.

ASPECT®-Enterprise is capable of supervisory-based control functions including but not limited to energy management routines, custom sequencing, alarm and event annunciation, historical alarming and trending, and master control scheduling. Additionally, streaming of live connected data is displayed rich HTML5 graphics using a web browser.

ASPECT® uses secure web technologies to enrich the user experience through common internet applications (appropriate security measures required, such as VPN or firewall) for alarm annunciation and scheduling. Receive alarms either from the integrated alarm console or through e-mail clients, or Twitter®. Schedule your building equipment through an integrated scheduler or by using common scheduling platforms such as Microsoft® Outlook®, Apple iCal, Google Calendar™.

ASPECT-ENT-2

15,000 Points on 2 ASPECT® Control Engines

ASPECT-ENT-12

25,000 Points on 12 ASPECT® Control Engines

ASPECT-ENT-96

50,000 Points on 96 ASPECT® Control Engines

ASPECT-ENT-256

100,000 Points on 256 ASPECT® Control Engines

PLATFORM MAXIMUMS

100,000 Points

256 ASPECT® Control Engines

BACnet Device Profile: B-OWS

VIRTUALISATION ENVIRONMENTS

Servers Running VMware with VMware ESXi v5.0 or newer

Product Selection Chart								
Part Number	Number of ASPECT® (eMap) Control Engines ¹	Point Capacity	Number of Foreign TCP/IP, FT/Net or Unitron Connections	BACnet IP	Modbus TCP	AAM PUP	Teletrol TSC®	Unitron
ASPECT-ENT-2	2	15,000	0	-	-	-	-	
ASPECT-ENT-12	12	25,000	0	-	-	-	-	
ASPECT-ENT-96	96	50,000	0	-	-	-	-	
ASPECT-ENT-256	256	100,000	0	-	-	-	-	
ENT-ACE-1	1	+7,500	0	-	-	-	-	
ENT-TCP-16	0	+800	16	✓	✓	✓	✓	✓
ENT-TCP-32	0	+1,600	32	✓	✓	✓	✓	✓
ENT-TCP-64	0	+3,200	64	✓	✓	✓	✓	✓
ENT-TCP-128	0	+6,400	128	✓	✓	✓	✓	✓
ENT-TCP-256 ⁴	0	+12,800	256	✓	✓	✓	✓	✓
ENT-UP-96 ²	96	50,000	0	-	-	-	-	
ENT-UP-256 ³	256	100,000	0	-	-	-	-	
ENT-LIC-CHG ⁴	-	-	-	-	-	-	-	

Note 1: ASPECT®-Enterprise supports a maximum of 100,000 points and 256 TCP/IP device connections including eMap (ASPECT® Control Engines such as MATRIX and NEXUS), FT/Net, BACnet/IP, Modbus TCP and Unitron. It is recommended that you do not exceed 2,000 MS/TP devices under a single instance of ASPECT®-Enterprise.

Note 2: ENT-UP-96 can only be applied to ASPECT-ENT-12.

Note 3: ENT-UP-256 can only be applied to ASPECT-ENT-96.

Note 4: Field upgrades require an ENT-LIC-CHG license.

SPECIFICATIONS

RECOMMENDED SYSTEM REQUIREMENTS

- Dual 2.8Ghz Quad Core or 6-Core CPUs (Intel or AMD)
- 16GB System Memory
- 250GB+ SATA or SAS RAID Array (RAID 1 with hot spare suggested)
- Supported 10/100/1000 MB Ethernet Adapter (Intel or Broadcom® suggested)
- Redundant Power Supply
- Available USB port for Software License Key

VMWARE PLATFORMS SUPPORTED

- VMware ESXi v5.0 or newer

VIRTUALISATION IMAGE PROVISIONS

- Enterprise Class Linux OS
- Embedded MySQL Database Server
- ASPECT® Runtime Engine

SETUP & CONFIGURATION

Software	ASPECT®-Studio
Browser	Standard web browsers that support HTML5, including: Internet Explorer 8/9/10/11, Firefox, Opera 12, Safari 6, and Google Chrome

SYSTEM ARCHITECTURE



				
				
				
				