



# ARI SECURITY PROCESSING ENGINES

DATASHEET

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## Overview

### Angora Security Processing Engines

Angora Networks is the innovative device manufacturer, specialized and experienced on network and security. With its wide range product families, Angora provides solutions from edge to data center and also helps its partners and customers develop their own tailored solution to solve critical business requirements.

### Software Focus

Last 10 years, change dramatically the way, operating, maintaining and protecting IT resources. Many functions are now either virtualized, or integrated into a single self-containing process, moving IT from hardware centric operation to more software-based model. This transition creates new requirements on hardware platforms, making highly performing and physically big device, old-fashioned by transitioning operation closer to the edge, resulting more efficient data centers complementing with distributed edge solutions.

Next generation applications are mostly requesting CPU based processing resources. End user processor families of yesterday are used to solve many IT problems of today. For example, Intel Atom series processors were once, low power consuming and low performance devices for mobile personal computing. Same family is now used for edge computing to solve many serious IT and business requirements.

### New Hardwares

This transition requires new hardware combination with different port density, processing power and I/O interfaces. Corporate firewalls, SD-WAN edge devices, data diodes, load balancers, network access control solutions, VPN concentrators, packet brokers etc. are all based on x86 processing platforms with specific requirements.

Angora Networks works with leading processor developers Intel and ARM to develop different next-generation hardware platforms and solutions. Together with current hardware portfolio, Angora provides complementary expansion modules to meet extended requirements and also create custom hardware for specific business requirements.

## Application Support

Security has never been so diverse and resource demanding. All data should be assessed against different types of vulnerabilities, access right, transfer options and integrity checks. Solutions vary from integrated powerful single hardware, to container based virtualized environments. Yet the home for each application would eventually reside in a proper hardware, that will provide enough capacity while preserving resources. This approach, together with evolving technology requirements, make the security applications both reshape to a distributed nature and move to the edge.

As the service providers, now delivering value added security services to small and medium sized businesses, and large corporations with geographically spread branches, SD-WAN (Software Defined WAN) becomes more popular and become the inevitable trend. Ari platforms offer best solution for SD-WAN delivery by providing enough port density and CPU core, making service offering and deployment easier. Ari product is ready to be used, with most popular SD-WAN solutions.

Even the SD-WAN platforms provide many services into a single management domain, there is still room for standalone service appliances. Depending on deployment models, firewalls, load balancers, web application firewalls, VPN concentrators, network admission and control solutions, corporate in-house security platforms, management, monitoring and analysis engines, all requires edge processing units, based on performance, capacity and integration with each other. Ari devices provide enough resources for different service separately or integrated into one hardware platform, eliminating infrastructure complexities and increase edge visibility.

Angora Network Management System Processing Module, helps you keep track your hardware status, health and usage, and also integrate with your flow to help deploying new services. Built-in performance monitoring metrics, identifies possible problems and sends out alarms, before the actual problem hits your services.

Together with other Angora Networks products and solutions, ARI platforms create an extraordinary edge service environment, and helps your organization and operation turns out to be more agile and effective.

## Model Information

Model	CPU FAMILY	CORE	ETHERNET	SFP	USB	CONSOLE	VIDEO	EXPANSION
ANW-ARI-1100	Intel Rangeley C2316	2	4x1Gbps		2	1xRj45		
ANW-ARI-1200	ARM Cortex A72	4	1xGbps	1x1Gbps	6		HDMI	
ANW-ARI-2000	Intel Celeron J1900	4	6x1Gbps		2(+2)	1xRj45	1xVGA	
ANW-ARI-3200	Intel Denverton C3336	2	6x1Gbps	2x10Gbps	2(+4)	1xRj45		1
ANW-ARI-3402	Intel Denverton C3558	4	6x1Gbps	2x1Gbps	2(+4)	1xRj45		1
ANW-ARI-3420	Intel Denverton C3558	4	6x1Gbps	2x10Gbps	2(+4)	1xRj45		1
ANW-ARI-3820	Intel Denverton C3758	8	6x1Gbps	2x10Gbps	2(+4)	1xRj45		1
ANW-ARI-4640	Intel Denverton C3958	16	6x1Gbps	4x10Gbps	2(+4)	1xRj45		2