

# PAS-K V2.2

---

PIOLINK, Inc.

## Certificate Effectiveness Maintenance Report

Certification No : KECS-NISS-0792-2017

May 2019



IT Security Certification Center

## 1. TOE

PAS-K V2.2

## 2. Date of Application

16 January 2017

## 3. Date of Approving

7 May 2019

## 4. Overview

The IT environment of the TOE is changed with 4 new hardware models.

The change to the certified product has no effect on assurance. Therefore, the assurance as outlined in the Certification Report KECS-NISS-0792-2017 is maintained for this version of the product.

This report is an addendum to Certification Report KECS-NISS-0792-2017.

## 5. Changes to TOE

Hardware models are changed by adding 4 new models (PAS-K3200X, PAS-K5200, PAS-K5400, PAS-K5600). Updated TOE hardware models and their specification are as follows.

Hardware	Category	Description
PAS-K3200X	CPU	1 x Intel Xeon Processor (quad-core, 2.20 GHz)
	RAM	----- Basic • Type 1: 16 GB (2 x 8 GB) • Type 2: 32 GB (2 x 16 GB) ----- Extended: N/A ----- Maximum: N/A
	SSD	----- Basic • Type 1: 120 GB • Type 2: 256 GB • Type 3: 512 GB

			----- Extended: N/A ----- Maximum: N/A	
	NIC	Management Port	<ul style="list-style-type: none"> <li>• console port: 1 x RJ-45 connector</li> <li>• Ethernet port: 1 x RJ-45 connector</li> </ul>	
		Ethernet Port	<p>----- Basic</p> <ul style="list-style-type: none"> <li>• fiber port: 12 x 1000BASE-X SFP slot</li> <li>• fiber port: 4 x 10GBASE-SR/LR SFP+ slot</li> </ul> <p>----- Extended</p> <p>*You may select an additional set of 8 copper ports or 8 fiber ports.</p> <ul style="list-style-type: none"> <li>• copper port: 8 x 10/100/1000BASE-T, RJ-45 connector</li> <li>• fiber port: 8 x 1000BASE-X SFP slot</li> </ul> <p>----- Maximum</p> <ul style="list-style-type: none"> <li>• fiber port: 12 x 1000BASE-X SFP slot</li> <li>• fiber port: 4 x 10GBASE-SR/LR SFP+ slot</li> <li>• copper port: 8 x 10/100/1000BASE-T, RJ-45 connector</li> </ul> <p>or</p> <ul style="list-style-type: none"> <li>• fiber port: 12 x 1000BASE-X SFP slot</li> <li>• fiber port: 4 x 10GBASE-SR/LR SFP+ slot</li> <li>• fiber port: 8 x 1000BASE-X SFP slot</li> </ul>	
		USB Port	1 x USB 3.0	
		Acceleration Mode	N/A	
<b>PAS-K5200</b>		CPU	1 x Intel Xeon Processor (hexa-core, 1.90 GHz)	
		RAM	<p>----- Basic</p> <ul style="list-style-type: none"> <li>• Type 1: 16 GB (2 x 8 GB)</li> <li>• Type 2: 32 GB (2 x 16 GB)</li> </ul> <p>----- Extended: N/A</p> <p>----- Maximum: N/A</p>	
		SSD	<p>----- Basic</p> <ul style="list-style-type: none"> <li>• Type 1: 120 GB</li> <li>• Type 2: 256 GB</li> <li>• Type 3: 512 GB</li> </ul> <p>----- Extended: N/A</p> <p>----- Maximum: N/A</p>	
		NIC	Management Port	<ul style="list-style-type: none"> <li>• console port: 1 x RJ-45 connector</li> <li>• Ethernet port: 1 x RJ-45 connector</li> </ul>
			Ethernet Port	<p>----- Basic</p> <ul style="list-style-type: none"> <li>• fiber port: 16 x 10GBASE-SR/LR SFP+ slot</li> </ul> <p>----- Extended</p> <p>*You may select an additional set of copper ports or fiber ports.</p> <ul style="list-style-type: none"> <li>• copper port: 8 x 10/100/1000BASE-T, RJ-45 connector</li> <li>• fiber port: 8 x 10GBASE-SR/LR SFP+ slot</li> </ul>

			<ul style="list-style-type: none"> <li>• fiber port: 2 x 40GBASE-SR4 QSFP+ slot ----- Maximum</li> <li>• fiber port: 16 x 10GBASE-SR/LR SFP+ slot</li> <li>• copper port: 8 x 10/100/1000BASE-T, RJ-45 connector</li> </ul> or <ul style="list-style-type: none"> <li>• fiber port: 16 x 10GBASE-SR/LR SFP+ slot</li> <li>• fiber port: 8 x 10GBASE-SR/LR SFP+ slot</li> </ul> or <ul style="list-style-type: none"> <li>• fiber port: 16 x 10GBASE-SR/LR SFP+ slot</li> <li>fiber port: 2 x 40GBASE-SR4 QSFP+ slot</li> </ul>
	USB Port		1 x USB 3.0
	Acceleration Mode		N/A
<b>PAS-K5400</b>	CPU		1 x Intel Xeon Processor (octa-core, 1.70 GHz)
	RAM		----- Basic 32 GB (2 x 16 GB) ----- Extended: N/A ----- Maximum: N/A
	SSD		<ul style="list-style-type: none"> <li>• Type 1: 120 GB</li> <li>• Type 2: 256 GB</li> <li>• Type 3: 512 GB</li> </ul> ----- Extended: N/A ----- Maximum: N/A
	NIC	Management Port	<ul style="list-style-type: none"> <li>• console port: 1 x RJ-45 connector</li> <li>• Ethernet port: 1 x RJ-45 connector</li> </ul>
		Ethernet Port	----- Basic <ul style="list-style-type: none"> <li>• fiber port: 16 x 10GBASE-SR/LR SFP+ slot</li> </ul> ----- Extended *You may select an additional set of copper ports or fiber ports. <ul style="list-style-type: none"> <li>• copper port: 8 x 10/100/1000BASE-T, RJ-45 connector</li> <li>• fiber port: 8 x 10GBASE-SR/LR SFP+ slot</li> <li>• fiber port: 2 x 40GBASE-SR4 QSFP+ slot</li> </ul> ----- Maximum <ul style="list-style-type: none"> <li>• fiber port: 16 x 10GBASE-SR/LR SFP+ slot</li> <li>• copper port: 8 x 10/100/1000BASE-T, RJ-45 connector</li> </ul> or <ul style="list-style-type: none"> <li>• fiber port: 16 x 10GBASE-SR/LR SFP+ slot</li> <li>• fiber port: 8 x 10GBASE-SR/LR SFP+ slot</li> </ul> or <ul style="list-style-type: none"> <li>• fiber port: 16 x 10GBASE-SR/LR SFP+ slot</li> <li>• fiber port: 2 x 40GBASE-SR4 QSFP+ slot</li> </ul>
	USB Port		• 1 x USB 3.0
	Acceleration Mode		• N/A

<b>PAS-K5600</b>	CPU	<ul style="list-style-type: none"> <li>• 1 x Intel Xeon Processor (dodeca-core, 1.50 GHz)</li> </ul>	
	RAM	<p>----- Basic</p> <ul style="list-style-type: none"> <li>• 64 GB (2 x 32 GB)</li> </ul> <p>----- Extended: N/A</p> <p>----- Maximum: N/A</p>	
	SSD	<p>----- Basic</p> <ul style="list-style-type: none"> <li>• Type 1: 120 GB</li> <li>• Type 2: 256 GB</li> <li>• Type 3: 512 GB</li> </ul> <p>----- Extended: N/A</p> <p>----- Maximum: N/A</p>	
	NIC	Management Port	<ul style="list-style-type: none"> <li>• console port: 1 x RJ-45 connector</li> <li>• Ethernet port: 1 x RJ-45 connector</li> </ul>
		Ethernet Port	<p>----- Basic</p> <ul style="list-style-type: none"> <li>• fiber port: 16 x 10GBASE-SR/LR SFP+ slot</li> </ul> <p>----- Extended</p> <p>*You may select an additional set of copper ports or fiber ports.</p> <ul style="list-style-type: none"> <li>• copper port: 8 x 10/100/1000BASE-T, RJ-45 connector</li> <li>• fiber port: 8 x 10GBASE-SR/LR SFP+ slot</li> <li>• fiber port: 2 x 40GBASE-SR4 QSFP+ slot</li> </ul> <p>----- Maximum</p> <ul style="list-style-type: none"> <li>• fiber port: 16 x 10GBASE-SR/LR SFP+ slot</li> <li>• copper port: 8 x 10/100/1000BASE-T, RJ-45 connector</li> </ul> <p>or</p> <ul style="list-style-type: none"> <li>• fiber port: 16 x 10GBASE-SR/LR SFP+ slot</li> <li>• fiber port: 8 x 10GBASE-SR/LR SFP+ slot</li> </ul> <p>or</p> <ul style="list-style-type: none"> <li>• fiber port: 16 x 10GBASE-SR/LR SFP+ slot</li> <li>• fiber port: 2 x 40GBASE-SR4 QSFP+ slot</li> </ul>
	USB Port	<ul style="list-style-type: none"> <li>• 1 x USB 3.0</li> </ul>	
	Acceleration Mode	<ul style="list-style-type: none"> <li>• N/A</li> </ul>	

Firmware is updated due to hardware model changes.

## 6. Assessment

The sponsor submitted IAR [2] to IT Security Certification Center for approval. The IAR is intended to satisfy the requirements outlined in the document Assurance Continuity [1]. The IAR includes the following items;

- A. The changes made to the certified TOE
- B. The evidence updated as a result of the changes and,
- C. The security impact of the changes

The Security Target is correctly updated [3].

## **7. Conclusion**

The change to the TOE is to add hardware models. Consideration of the nature of the change leads to the conclusion that it is classified as a minor change and that certificate maintenance is the correct path to continuity of assurance.

Therefore, IT Security Certification Center agrees that the assurance as outlined in the Certification Report [4] is maintained for this version of the product.

## **8. References**

- [1] Assurance Continuity: CCRA Requirements, Version 2.1, June 2012
- [2] PAS-K V2.2 Security Impact Analysis Report V1.1, April 3, 2019
- [3] PAS-K V2.2 Security Target Lite V1.2, February 13, 2019
- [4] PAS-K V2.2 Certification Report (KECS-NISS-0792-2017), May 31, 2017