



Identiv Connected Physical Access Manager (ICPAM) Software Licensing FAQs

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Glossary

Cisco CPAM License	Any licenses received for any version of CPAM 1.5.3 and prior (issued by Cisco)
Identiv ICPAM License	All licenses issued for ICPAM 3.0 and onward (issued by Identiv)

What does the Identiv ICPAM software license cover?

ICPAM software licenses enable full functionality of active hardware modules to connect, log and send events, and accept configuration and credential updates.

Identiv ICPAM software licenses are offered to cover a range of module counts to fit your current and expansion needs.

The following products are available through Cisco:

Cisco Product ID (PID)	Product Description
L-ICPAM-M8	ICPAM Software License – up to 8 Modules
L-ICPAM-M16	ICPAM Software License – up to 16 Modules
L-ICPAM-M32	ICPAM Software License – up to 32 Modules
L-ICPAM-M128	ICPAM Software License – up to 128 Modules
L-ICPAM-M512	ICPAM Software License – up to 512 Modules
L-ICPAM-M1024	ICPAM Software License – up to 1024 Modules

What additional license are available for optional features?

The following features can be purchased and activated:

Cisco Product ID (PID)	Product Description
ICPAM--EAI=	The EAI (Enterprise Data Integration) license allows a user to connect to an external database not associated specifically with ICPAM to pull user information.

ICPAM--HA=	The HA (High Availability) license allows the user to have two (2) ICPAM Servers with the same configuration, so one can act as a back-up of the other in case of server failure.
ICPAM-WAPI	The Web API license allows for standard functionality for integration into PSIM and 3rd party solutions as well as external reporting.
ICPAM-BD	The Badge Designer license allows for the end user to design and customize the look of credentials and print credentials with in-house printers.

What is different around license activation in ICPAM v3.0 (or newer) versus v2.x?

Identiv ICPAM licenses are linked to your system with a unique system identifier from ICPAM version 3.0 and onward. New Identiv ICPAM licenses are generated to incorporate this unique identifier.

When do I need to purchase additional Identiv ICPAM licenses?

If your total module count is greater than the software licenses installed, you will need to purchase additional module licenses. Additionally, if you wish to add additional optional software features, a license will need to be purchased for the specific option.

Some examples listed below for illustration:

Scenario	Licenses Currently Installed (either legacy CPAM or Identiv ICPAM licenses)	New Identiv Licenses Required?
Upgrade Customer with 110 active modules	Existing CPAM license (with coverage to 128 modules)	No, not today. Yes, in future if expand >18 modules
Upgrade Customer Expanding to 100 modules	Previously purchased Identiv ICPAM license for up to 32 modules.	Yes. L-ICPAM-M128 (covers up to 128 modules)
Customer wants EDI and API optional features	No previous optional licenses purchased	Yes. ICPAM-WAPI (API option) ICPAM--EAI= (EDI option)

New Customer Purchased MX controllers + expansion boards (for 100 modules) Needs HA and EDI options	New – no previous licenses purchased	Yes. L-ICPAM-M128 (covers up to 128 modules) ICPAM--EAI= (EDI option) ICPAM-HA= (HA option)
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I purchased an older Product ID (PID) that had the software bundled with the hardware. Do I need to purchase new software licenses to cover those hardware purchases?

To support migrations to ICPAM v3.0 (or newer), Identiv will provide customers with a new set of software licenses to cover previously purchased software/hardware bundles. Prior to your upgrade to ICPAM v3.0 (or newer), contact Identiv technical support to plan and coordinate your migration. Have your Cisco Sales Order number, the product ID (PID) and quantity of previously purchased bundles ready to reference.

What is the process for purchasing Identiv ICPAM licenses?

If your total module count is greater than the software licenses installed, you will need to purchase additional module licenses. Additionally, if you wish to add additional optional software features, a license will need to be purchased for the specific option.

When do I need to purchase additional Identiv ICPAM licenses?

All software licenses are purchased through Cisco and orderable on the [Cisco Commerce Workspace \(CCW\)](#). Once the order is processed, customers will receive information through Cisco's e-Delivery process on how to register for a license with Identiv. Upon registration, an Identiv customer service team member will work with the customer to deliver a unique software license key file.

Why do I need to register my license(s) with Identiv?

Customers will need to register their purchased software license with Identiv in order to receive a unique software license key file that is applied to the ICPAM version 3.0 (and above) installation.

Who should I contact if I have ordered and registered my license but have not received any further instructions?

If you have ordered an Identiv ICPAM software license and not received an email with license registration instructions, contact customerservice@identiv.com and provide the Sales Order number and software license product ID (PID) used to procure the software.

What if I am doing a Proof of Concept or demo and only need a temporary license?

Contact your Identiv account manager for assistance or submit your request by sending an email to cisco@identiv.com. All temporary licenses require approval and are only valid for a specific number of days.

What is considered towards a module count?

The following items consume the indicated module license count each:

Cisco CPAM:

Cisco CPAM Hardware	Module Count Applied
Cisco Gateway	1
Cisco Gateway Input Module	1
Cisco Gateway Output Module	1
Cisco Gateway Reader Module	1

Identiv ICPAM Hardware:

Identiv ICPAM Hardware	Module Count Applied
EM-100 Controller	1
EM-100 Controller and Exit Reader	1
Mx Controller – Mx-1	1

Mx Controller – Mx-4	4
Mx Controller – Mx-8	8
Mx Controller – M64* (incorporates controller and relay expansion)	2
Mx Input Expansion Module	1
Mx Output Expansion Module	1

*The Mx-1 and M64 Controllers I are currently not orderable through Cisco CCW; they will be available on CCW in the near future. Until then, contact your Identiv Channel Manager if you are interested in getting additional information or email your question to cisco@identiv.com.

Where can I see the number of active devices on my system? How does ICPAM cross check the module count vs license count?

View active and disabled modules via the hardware tree.

Reference the [ICPAM Licensing Activation Quick Guide](#) for more information.

What if I have modules which I no longer use?

If controllers or expansion modules are no longer needed, disabling them will prevent them from consuming module licenses.

What happens if my module count exceeds license count?

If your active hardware count exceeds the licensed module count, the first controllers to come online each time the server or drivers are started will get the licenses first. The last to start in excess of licenses will remain unlicensed. To control which hardware consumes the licenses, disable hardware that you wish to remain unlicensed. Another option, to cover all your current devices is to purchase additional ICPAM module licenses.

How will I know which licenses are activated? How does it check if I have both CPAM and ICPAM licenses installed?

Past CPAM licenses will be honored in any upgraded system and once imported will show identically to Identiv issued licenses. Installed licenses will be reflected in the web admin console. All

CPAM and ICPAM licenses will contribute to the total set of licensed features and/or module counts.

Are licenses cumulative?

Yes. The addition of software licenses to your system will provide a total module count that is cumulative.

Scenario:

What do I need if I am upgrading to ICPAM v3.0 with a need to support 120 active modules, and I also have an existing CPAM software license for 32 modules?

Customer will need to purchase an Identiv ICPAM software license to cover the remaining balance of 120 modules that are not covered by the original CPAM 32 module software license. In this case, the recommended software license PID is L-ICPAM-M128 (up to 128 modules). Or, at minimum, purchase quantity of 3 individual L-ICPAM-M32 software licenses (total coverage of 96 modules) to supplement the existing 32 module coverage from legacy CPAM license.

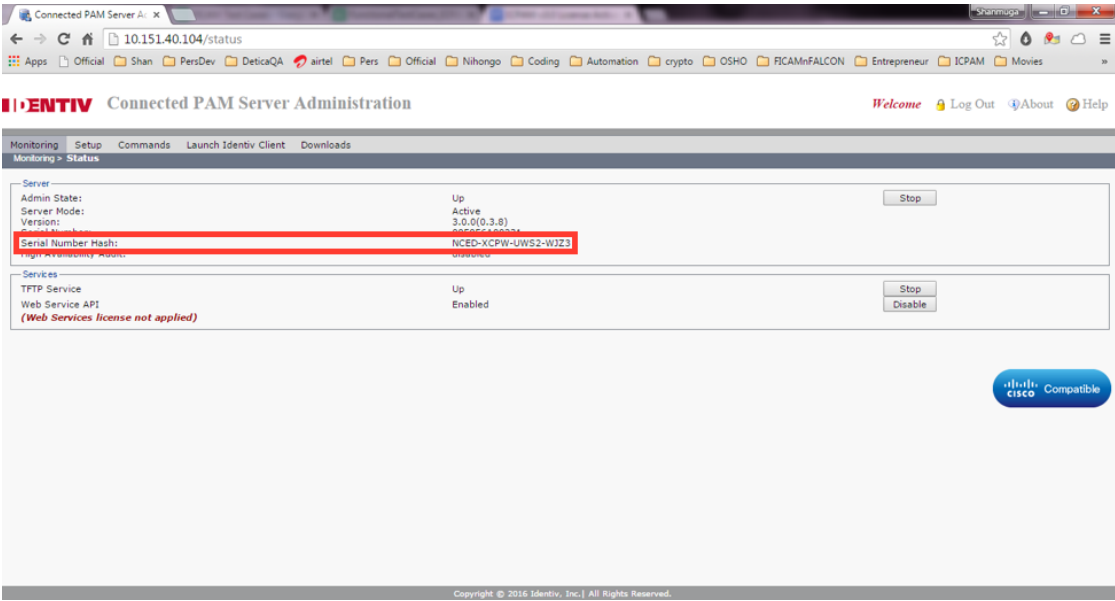
How are licenses keyed to my system?

Existing CPAM software licenses are linked to the server Serial Number.

New ICPAM software licenses are keyed to your system with a unique identifier new to ICPAM 3.0.

This unique system identifier is a 16 character value that is displayed in the web console and displayed as "Serial Number Hash". It is globally unique across all installations for that instance of the VM.

Diagram A: "Serial Number Hash" unique system identifier on v3.0 and above systems



What is the impact if I make a change to my system setup?

<p>New VM instance</p>	<p>If installing the OVA on a different server or establishing a different VM instance, the system will generate a new unique serial ID (Serial Number Hash). Any Identiv ICPAM software licenses will need to be re-issued to use the new unique ID and re-installed. For assistance, contact your Identiv account manager or Sales Engineer, or email cisco@identiv.com for license updates.</p> <p>Legacy Cisco CPAM licenses can still be re-installed/re-activated. Retain these licenses through a backup/restore procedure and re-install after you upgrade to ICPAM v3.0 or above. Changes to the MAC address will need to be addressed to enable these licenses. Contact Identiv technical support for assistance with your change and migration.</p>
<p>Upgrading ICPAM on same system</p>	<p>If upgrading on the same system and continuing to use the same instance of VM, there is no impact and all license files previously installed will continue to be intact and activate.</p>

How many licenses are needed for the Data Center solution introduced in ICPAM 3.1?

The Data Center solution introduced in ICPAM 3.1 allows up to 24 data cabinet doors to be independently controlled and accessed via a single keypad reader. This custom template will ONLY

work with an Mx-8 Controller and requires module licenses equal to the number of doors being controlled. When needing to control access to 9 - 16 data cabinet doors, 1 alarm expansion board and 1 relay expansion board is required. When needing to control access to 17 - 24 data cabinet doors, 2 Alarm Expansion Boards and 2 Relay Expansion Boards are required. The AEB8 and REB8 expansion boards used in this specific use case will NOT require module licenses.

Table 1: Data Cabinet Hardware and Module breakdown for up to 1 - 8 doors

Identiv ICPAM Hardware (Data Cabinet Template)	Module Count Applied
Mx-8 Controller	8

Table 2: Data Cabinet Hardware and Module requirement breakdown for 9 - 16 doors

Identiv ICPAM Hardware (Data Cabinet Template)	Module Count Applied
Mx-8 Controller	8
Alarm Expansion Board (AEB8) x1	0
Relay Expansion Board (REB8) x 1	0
Data Cabinet Door	1 - 8

Table 3: Data Cabinet Hardware & Module requirement breakdown for 17-24 doors

Identiv ICPAM Hardware (Data Cabinet Template)	Module Count Applied
Mx-8 Controller	8
Alarm Expansion Board (AEB8) x1	0
Relay Expansion Board (REB8) x 1	0
Data Cabinet Door	9 - 16

Document Revision History

Date	Change Author	Reason for Change
01/23/17	S. Yang	New document creation for v3.0 Licensing Activation
11/10/17	P. Fanara	Added Data Cabinet Licensing Breakdown