

Minimum System Requirements

(Last update 2019/07/09)

For ecTA / ecPayroll Windows-based main program

	Server	Work Station
Operating System	MS Windows Server 2008 / 2008R2 / 2012 / 2012R2 / 2016 / 2019	MS Windows XP / Vista / 7 / 8 / 8.1 / 10
Pre-installed Software	MS SQL Server 2008 / 2008 R2 / 2012 / 2014 / 2016 / 2017 Standard or Express Edition	MS Excel 2002 / 2003 / 2007 / 2010 / 2013 / 2016 / 2019
Minimum Hardware Requirement	<ul style="list-style-type: none"> • Intel Core i3 CPU (or same grade) • 2 GB Ram • 50 GB free hard disk space • Standard keyboard & mouse • LAN (Local Area Network) 	<ul style="list-style-type: none"> • Intel Core 2 Duo CPU (or same grade) • 1 GB Ram • 1 GB free hard disk space • Standard keyboard & mouse • VGA display with 1280 x 768 resolution • LAN (Local Area Network)
Locale	<ul style="list-style-type: none"> • Short Date format : Any 1 of below <ul style="list-style-type: none"> • d/M/yyyy • dd/MM/yyyy • yyyy/MM/dd • yyyy/M/d • d-M-yyyy • dd-MM-yyyy • yyyy-MM-dd • yyyy-M-d • Language for non-Unicode programs : Traditional Chinese (For running system in Chinese only) 	<ul style="list-style-type: none"> • Short Date format : Any 1 of below <ul style="list-style-type: none"> • d/M/yyyy • dd/MM/yyyy • yyyy/MM/dd • yyyy/M/d • d-M-yyyy • dd-MM-yyyy • yyyy-MM-dd • yyyy-M-d • Language for non-Unicode programs : Traditional Chinese (For running system in Chinese only)
Share Folder(s)	<ul style="list-style-type: none"> • Share below folder(s) with “Full Control” permission <ul style="list-style-type: none"> • \\{Server}\TAMS\ 	---

For All Web Modules

	Server	Work Station
Web Server	MS IIS 6.0 / 7.0 / 7.5 / 8.0 / 8.5 / 10 * HTTPS is required for “ GPS ” related functions	---
.Net Framework	4.0 and 4.5 / 4.6 / 4.7 * If required, Microsoft .Net Framework will be downloaded during system installation.)	---
Pre-installed Software	MS Excel 2007 / 2010 / 2013 / 2016 / 2019	---
User Right	<p>A Windows user account with “Administrator” permission for web server Application pool and Component service.</p> <p>Grant “IIS User” with “Full Control” right on below folders:</p> <ul style="list-style-type: none"> • C:\Windows\SysWOW64\config\systemprofile\Desktop\ • C:\Windows\System32\config\systemprofile\Desktop\ • C:\inetpub\wwwroot\{eleave}\ • C:\inetpub\wwwroot\{retail}\ • \\{Server}\TAMS\ 	---
Web browser	---	MS Internet Explorer 6 / 7 / 8 / 9 / 10 / 11 MS Edge 42 – 44 Google Chrome 70 – 75

For E-mail related Modules

	Server	Work Station
SMTP Server	Available to send out e-mail with no encryption (e.g. TLS, SSL)	---
Email Address	Pre-defined sender email address	---

For Remote Site(s) connection

	Headquarters (Server)	Remote Site(s)
Network (For all web modules)	Broadband internet with fixed IP Port forwarding to Web Server in router OR VPN (Virtual Private Network) connected	Broadband internet OR VPN (Virtual Private Network) connected
Network (For time clock device)	Broadband internet OR VPN (Virtual Private Network) connected	Broadband internet with fixed IP Port forwarding to device in router OR VPN (Virtual Private Network) connected