

User Manual

WISE-PaaS/RMM 3.2

Wireless IoT Sensing Embedded Remote Monitoring and Management Agent RMM-Agent User Manual V1.6



Change Log:

Date	Version	Description / Major change
2016/09/30	V1.0	Update the screen shop for installer
2016/10/3	V1.1	Update Linux installer screenshot

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1. Software Installation

1.1. Windows Agent Installation

1.1.1. Installation

Double click "RMM 3.2 AgentSetup.exe" to install RMM Agent program.

• Start Installation



• Check End-User License Agreement

Please read the license agreement carefully. Check "I accept the terms in the License Agreement" if you agree. Then click the "Next" button.

RMM 3.2 Agent Setup	×
End-User License Agreement	
Please read the following license agreement carefully	2
ADVANTECH Co., Ltd., END-USER LICENSE AGREEMENT Please carefully read the following terms and conditions	
before using this product. It contains software, this use of which is licensed by ADVANTECH CO, LTD., to its customers for their use only as set forth below. If you do not agree to the terms and conditions of this agreement, do not use the software. No part of this software may be	T
\bigcirc I accept the terms in the License Agreement	
I do not accept the terms in the License Agreement	
<back next=""> Can</back>	cel

• Select Installation Folder

Select the folder to be installed.

🚰 RMM 3.2 Agent Setup	- • •
Select Installation Folder This is the folder where RMM 3.2 Agent will be installed.	
To install in this folder, click "Next". To install to a different folder, enter it b "Browse".	below or click
Folder: C:\Program Files (x86)\Advantech\RMM 3.2 Agent\	Browse
< Back Next >	Cancel

• Server Settings - Set Remote Management Server URL/IP.

Set Remote Management Server URL/IP.

RMM 3.2 Agent Setup	x
Server Setting Please set the server address which you want to connect with	
Server address:	
Example: IP: 127.0.0.1 Domain: rmm.wise-paas.com	
< Back Next > Cancel	

MQTT SLL Settings

Choose either disable or enable SSL for MQTT.

RMM 3.2 Agent Setup	×
MQTT SSL Setting	
Please choose whether you want to open MQTT SSL or not	2
Which option do you want?	
Disable SSL for MQTT	
Enable SSL for MQTT	
< Back Next >	Cancel

• VNC Setting

Please select VNC setting when installing RMM 3.2 Agent.

A. Set as Default RMM Built-in VNC.

🖾 RMM 3.2 Agent Setup		×
Choose VNC Setting Please choose the VNC s	setting when installing RMM 3.2 Agent	2
Please select VNC setting Operault setting	you need:	
O VNC server (Ex: R	ealVNC, UltraVNC,)	
🔘 Third party KVM to	ool (Ex: TeamViewer,)	
Set VNC password: VNC port number:	5904	
	< Back Next >	Cancel

B. Use other User-defined VNC server.

Input VNC server password and port number

📧 RMM 3.2 Agent Setup		x
Choose VNC Setting Please choose the VNC s	etting when installing RMM 3.2 Agent	
Please select VNC setting Default setting VNC server (Ex: Ro Third party KVM to	you need: ealVNC, UltraVNC,) ol (Ex: TeamViewer,)	
Set VNC password: VNC port number:	5904	
	< Back Next >	Cancel

C. Disable RMM Built-in VNC and use other third party KVM tool.

🛃 RMM 3.2 Agent Setup		×
Choose VNC Setting Please choose the VNC s	setting when installing RMM 3.2 Agent	
Please select VNC setting	you need:	
🔘 VNC server (Ex: R	ealVNC, UltraVNC,)	
Third party KVM to	ool (Ex: TeamViewer,)	
Set VNC password:		
VNC port number;	5904	
	< Back Next >	Cancel

iAMT Settings

Please choose the iAMT setting when installing RMM 3.2 Agent.

A. Skip iAMT setting

RMM 3.2 Agent Setup	—
Choose iAMT Setting Please choose the iAMT setting when installing RMM 3.2 Agent	2
Please select iAMT setting you need:	
Set up iAMT account and password	
iAMT account:	
iAMT password;	
< Back Nex	xt > Cancel

B. Set up iAMT

RMM 3.2 Agent Setup	— ×
Choose iAMT Setting Please choose the iAMT setting when installing RMM 3.2 Agent	
Please select iAMT setting you need: Skip iAMT setting Set up iAMT account and password 	
iAMT account: iAMT password:	
< Back Next > C	ancel

• Start Installing.

Click the "Install" button to begin the installation.

RMM 3.2 Agent Setup	×
Ready to Install	
The Setup Wizard is ready to begin the RMM 3.2 Agent installation	21
Click "Install" to begin the installation. If you want to review or change any of your installation settings, click "Back". Click "Cancel" to exit the wizard.	
< Back Install Can	:el

Installing RI	1M 3.2 Agent			
Please wa minutes.	it while the Setup Wizard i	installs RMM 3.2 /	Agent. This may t	ake several
Status:	Creating shortcuts			

• Installation Completed.

Click the "Finish" button to exit the Setup Wizard.





Click ServerSetting to start standalone agent.

1.1.2. Uninstallation

• Start to uninstall "RMM Agent"

Double click "RMM 3.2 AgentSetup.exe" to uninstall the RMM Agent program.



Remove installation

Click the "Remove" icon to start uninstallation.



• Confirm the uninstallation for RMM Agent

Click the "Yes" button to remove RMM3.2 from your computer.

🛃 RMM 3	.2 Agent Setup	23
Remov Select	e installation t the operation you wish to perform.	2
12 (127)		U
	Windows Installer 83	
	Are you sure you want to uninstall this product ?	
	Yes No	
	<back next=""> Canc</back>	:el

RMM 3.2 Agent
Please wait while Windows configures RMM 3.2 Agent
Gathering required information

1.2. Linux Agent Installation - CentOS

1.2.1. Installation

• Untar the "RMM Agent" installer to "Wrapped" folder



• Change directory to "Wrapped" folder and execute the installer with superuser permissions



• Enter the setup mode by clicking y



Complete the configuration step by step



Install Completed



- 1.2.2. Uninstallation
- Change directory to '/usr/local/AgentService', and execute 'uninstall.sh' with superuser permissions



Uninstall Completed



1.3. Linux Agent Installation – RISC_Yocto

1.3.1. Installation

• Untar the "RMM Agent" installer to "Wrapped" folder



• Change directory to "Wrapped" folder and execute the installer with superuser permissions



Enter the setup mode by clicking y



• Complete the configuration step by step

P 172.22.12.154 - PuTTY
AgentService Linux Setup

FireWall is disabled
/var/run/saagent.pid not found.
AgentService Path: /usr/local/AgentService
sending request to stop AgentService
RMM Agent daemon is not running.
RMM Agent daemon is not running.

Do you want to configure RMM Agent now? [y/n](default: y)
Input Server IPAddress(default:127.0.0.1):
Input Server Port(default:1883):
Enalbe TLS [y/n](default: n):
Input Device Name[Len:435](default:imx6qwise3310):
Input AMT ID[Len:435, or na](default:):
Input AMT password[Len:816, or na](default:):
Select KVM Mode[0:default, 1:custom VNC, 2:disable](default:0):
Input VNC Port[165535](default :5900):
Enable auto reconnect[enable/disable](default: enable):

Do you want to start RMM Agent now? [y/n](default: y)

Install Completed

🗗 172.22.12.154 - PuTTY sending request to stop AgentService RMM Agent daemon is not running. RMM Agent daemon is not running. ****** ****** Do you want to configure RMM Agent now? [y/n] (default: y) Input Server IPAddress(default:127.0.0.1): Input Server Port(default:1883): Enalbe TLS [y/n](default: n): Input Device Name[Len:4--35](default:imx6qwise3310): Input AMT ID[Len:4--35, or na](default:): Input AMT password[Len:8--16, or na](default:): Select KVM Mode[0:default, 1:custom VNC, 2:disable](default:0): Input VNC Port[1--65535](default :5900): Enable auto reconnect[enable/disable](default: enable): ***************** ****** Do you want to start RMM Agent now? [y/n](default: y) RMM Agent Service Starting... Starting RMM Agent daemon... Ξ Starting RMM watchdog daemon... RMM Linux setup successfully! root@imx6qwise3310:~/Wrapped#

1.3.2. Uninstallation

 Change directory to '/usr/local/AgentService', and execute 'uninstall.sh' with superuser permissions



Uninstall Completed

🗗 172.22.12.154 - PuTTY 📃 💷 💌	
Shutting down RMM watchdog daemon	~
update-rc.d: /etc/init.d/saagent exists during rc.d purge (continuing)	
Removing any system startup links for saagent	
/etc/rc0.d/K20saagent	
/etc/rc1.d/K20saagent	
/etc/rc2.d/S99saagent	
/etc/rc3.d/S99saagent	
/etc/rc4.d/S99saagent	
/etc/rc5.d/S99saagent	
/etc/rc6.d/K20saagent	
update-rc.d: /etc/init.d/sawatchdog exists during rc.d purge (continuing)	
Removing any system startup links for sawatchdog	
/etc/rc0.d/K20sawatchdog	
/etc/rc1.d/K20sawatchdog	
/etc/rc2.d/S99sawatchdog	
/etc/rc3.d/S99sawatchdog	
/etc/rc4.d/S99sawatchdog	
/etc/rc5.d/S99sawatchdog	
/etc/rc6.d/K20sawatchdog	=
remove folder /usr/local/AgentService	
killall: cagent: no process killed	
killall: sawatchdog: no process killed	
done.	
root@imx6qwise3310:/usr/local/AgentService#	-

2. Windows Agent Configuration

2.1. Agent Console

To use WISE-PaaS/RMM, users must install the Agent software on the monitored device. After installing the agent software, users can launch the agent program from the desktop shortcut.



2.2. Connect to Server

Double-click the agent shortcut under desktop to call agent standalone.

In first time execution, user needs to setup the password to protect the Agent.

Set Password	×
Password is required to use advanced functions of Server Setting. Just type any password which will be used for future authentication. The password cannot be modified unless you re-install the program.	
Click "Cancel" to leave without setting password, but the advanced functions will be disabled. The Minimum password length must larger than 8 characters, and maximum is 12 characters	

Set Cancel	-

After the password setup, user needs to enter the password to lunch the Server Setting dialog.

Password Authentications	×
Password is required to use the advanced functions of Server Setting.	
Confirm Cancel	

In the following window, enter the server IP address or server name and the device name, and then click "Save & Connect" button to establish the connection to server. If the device's motherboard supports Intel AMT, users can also enter AMT's account ID and password here, then after connecting to the server, the administrator can use Remote KVM to connect to the device via Intel AMT even when the device is powered off.

Note: The device's BIOS must be pre-configured to enable Intel AMT so that RMM can use it.

Server Setting	×
Agent ID: 0	000008002711EE1B
Device Setting	Version. 1.0.0
Server Name or Address	127.0.0.1
Device Name	SWMaster-PC
✓ Connect to server on system	m startup
Intel AMT Setting Pleas	se confirm that the motherboard and BIOS supports Intel before entering ID and password
Intel AMT ID	Please input more than 4 letters
Intel AMT Password	Please input more than 8 letters
	Save Cancel

3. Linux Agent Configuration

3.1 CentOS

- 3.1.1 Agent Service Control
- Start Agent Service



Stop Agent Service



• Restart Agent Service



3.1.2 Setup Agent

 Change directory to '/usr/local/AgentService' and execute 'setup.sh' with superuser permissions.

P zach@localhost:/usr/local/AgentService	
[zach@localhost AgentService]\$ sudo ./setup.sh [sudo] password for zach:	
**************************************	P

FireWall is disabled	
/var/run/saagent.pid not found.	
AgentService Path: /usr/local/AgentService	
sending request to stop AgentService	
RMM Watchdog daemon is not running.	[WARNING]
RMM Websockify daemon is not running.	[WARNING]
RMM Agent daemon is not running.	[WARNING]
***************************************	**********************
***************	to 🚽 same – same 🧰 🚺
Do you want to configure RMM Agent now? [y/n](defai	uit: y)

• Complete the configuration step by step to setup the agent.



3.1.3 Check Agent Connection Status

 Change directory to '/usr/localAgentService' and use 'cat' command to check 'agent_status' file. If return 0 means the agent cannot connect to server, return 1 means the agent connected to server.



3.2RISC_Yocto

3.2.1 Agent Service Control

• Start Agent Service



• Stop Agent Service



Restart Agent Service



3.2.2 Setup Agent

 Change directory to '/usr/local/AgentService' and execute 'setup.sh' with superuser permissions.

P 172.22.12.7 - PuTTY	
root@imx6qwise3310:/usr/local/AgentService# ./setup.sh	*
***************************************	*****

FireWall is disabled	
Pid: 21870	
find app dir /usr/local/AgentService.	
AgentService Path: /usr/local/AgentService	
sending request to stop AgentService	
Shutting down RMM Agent daemonwait pid 21870	
wait pid 21915	
Wait 21915 timeout.	
Shutting down RMM watchdog daemon	
***************************************	*****

Do you want to configure RMM Agent now? [y/n](default: y)	
	*

• Complete the configuration step by step to setup the agent.

X 🛃 172.22.12.7 - PuTTY root@imx6qwise3310:/usr/local/AgentService# ./setup.sh =================== AgentService Linux Setup == ******* ***** FireWall is disabled Pid: 21870 find app dir /usr/local/AgentService. AgentService Path: /usr/local/AgentService sending request to stop AgentService Shutting down RMM Agent daemon...wait pid 21870 wait pid 21915 Wait 21915 timeout. Shutting down RMM watchdog daemon... **************** ****** ****** Do you want to configure RMM Agent now? [y/n](default: y)y Input Server IPAddress(default:127.0.0.1): Input Server Port(default:1883): Enalbe TLS [y/n](default: n): Input Device Name[Len:4--35](default:imx6qwise3310): Input AMT ID[Len:4--35, or na](default:): Input AMT password[Len:8--16, or na](default:): Select KVM Mode[0:default, 1:custom VNC, 2:disable](default:0): Input VNC Port[1--65535](default :5900): Enable auto reconnect[enable/disable](default: enable): ****** Do you want to start RMM Agent now? [y/n](default: y) Ξ

- 3.2.3 Check Agent Connection Status
- Change directory to '/usr/localAgentService' and use 'cat' command to check 'agent_status' file. If return 0 means the agent cannot connect to server, return 1 means the agent connected to server.



4. FAQ

Q1. How to fix the loss of depend libraries while install RMMAgent?

```
_ 0 <u>×</u>
₽ test@CentOS:~/Desktop
                                                                                   A
Now will check whether the following packages installed:
 libxml2 openssl libcurl libXtst libX11 libmosquitto1 redhat-lsb-core xterm sql
ite
This following packages is not installed:
  libmosquitto1 xterm
Import mosquitto source file:
curl: (6) Couldn't resolve host 'download.opensuse.org'
Install libmosquitto1 xterm:
`[^ALoaded plugins: fastestmirror, refresh-packagekit, security
Determining fastest mirrors
Could not retrieve mirrorlist http://mirrorlist.centos.org/?release=6&arch=i386&
repo=os error was
14: PYCURL ERROR 6 - "Couldn't resolve host 'mirrorlist.centos.org'"
Error: Cannot find a valid baseurl for repo: base
Now will check whether the following packages installed:
   libmosquitto1 xterm
This following packages is not installed:
   libmosquitto1 xterm
Install libmosquitto1 xterm failed!
You must install it manually and refer to Install manual!!
If not, program may run abnormal!!
Setup Agent [y/n](default:n): ^[^AYou can setup agent with command '$ sudo ./set
                                                                                   Ξ
up.sh' in '/usr/local/AgentService' later.
Start RMM Agent.
Starting RMM Watchdog daemon...
                                                                1
Starting RMM Agent daemon...
```

Ans:

User should connect to internet and restart the pre-install procedure with the following SOP:

- 1. # cd /usr/local/AgentService
- 2. # su root
- 3. # ./pre-install_chk.sh

NOTICE:

Actually 'pre-install_chk.sh' is run automatically when execute

'rmmagent-platform_name-version.run'.

And run './pre-install_chk.sh -devel' is install the depend packages for RMM Agent development.

