

# ET-7000/PET-7000 version history

*Last update: 2017-10-13*

This document provides a quick historical reference to firmware version, release dates, features, and improvements. Select your module from the list below to see the release notes for it.

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# ET-7002/PET-7002

Version number	Release date	MiniOS7 Signifies which version of MiniOS7 the firmware is running on.	Function library Signifies which version of function library the firmware is using.	
2.0.0	2014-04-24	MiniOS7 2.2.15	CPU 5.2.5 Web Server 1.2.8	Ethernet 1.2.8 Modbus 1.7.2
	<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>• Added support for new Flash chip</li> <li>• The Modbus TCP port can be specified individually for WAN and LAN</li> <li>• Improve the web interface for setting up the Pair-Connection</li> <li>• Verify the new IP address has been changed</li> <li>• With the DHCP enabled, the hostname (option 12) can be specified with the “Module Information” setting. If the setting is not given, the default (icpdas_xx:xx:xx) will be used</li> <li>• Connection lifetime Once a Modbus TCP connection has been established, it will be closed after 90 seconds of inactivity</li> </ul> <p><b>Update:</b></p> <ul style="list-style-type: none"> <li>• The same firmware for both ET-7000 and PET-7000 modules</li> </ul>			

# ET-7005/PET-7005

Version number	Release date	MiniOS7 Signifies which version of MiniOS7 the firmware is running on.	Function library Signifies which version of function library the firmware is using.	
2.0.0	2014-04-24	MiniOS7 2.2.15	CPU 5.2.5 Web Server 1.2.8	Ethernet 1.2.8 Modbus 1.7.2
<b>New and improved features:</b> <ul style="list-style-type: none"> <li>• Added support for new Flash chip</li> <li>• The Modbus TCP port can be specified individually for WAN and LAN</li> <li>• Improve the web interface for setting up the Pair-Connection</li> </ul>				
<b>Update:</b> <ul style="list-style-type: none"> <li>• The same firmware for both ET-7000 and PET-7000 modules</li> </ul>				
1.0.1	2012-02-21	MiniOS7 2.2.10	<b>New and improved features:</b> <ul style="list-style-type: none"> <li>• Verify the new IP address has been changed</li> <li>• With the DHCP enabled, the hostname (option 12) can be specified with the “Module Information” setting. If the setting is not given, the default (icpdas_xx:xx:xx) will be used</li> <li>• Connection lifetime Once a Modbus TCP connection has been established, it will be closed after 90 seconds of inactivity</li> <li>• Broadcasts an ARP request on the local network at 30-second intervals</li> </ul> <b>Update:</b> <ul style="list-style-type: none"> <li>• Specify coefficients as a user-defined type (type 0x70)</li> </ul> <b>Fixed:</b> <ul style="list-style-type: none"> <li>• Web HMI does not work properly when using either the Mozilla Firefox or SeaMonkey browser</li> </ul>	

# ET-7015/PET-7015

Version number	Release date	MiniOS7 Signifies which version of MiniOS7 the firmware is running on.	Function library Signifies which version of function library the firmware is using.
2.0.0	2014-04-24	MiniOS7 2.2.15	CPU 5.2.5      Ethernet 1.2.8 Web Server 1.2.8      Modbus 1.7.2
<b>New and improved features:</b> <ul style="list-style-type: none"> <li>• Added support for new Flash chip</li> <li>• Improve the web interface for setting up the Pair-Connection</li> </ul>			
<b>Update:</b> <ul style="list-style-type: none"> <li>• The same firmware for both ET-7000 and PET-7000 modules</li> </ul>			
1.1.2	2013-10-24	MiniOS7 2.2.10	
<b>New and improved features:</b> <ul style="list-style-type: none"> <li>• Verify the new IP address has been changed</li> <li>• With the DHCP enabled, the hostname (option 12) can be specified with the “Module Information” setting. If the setting is not given, the default (icpdas_xx:xx:xx) will be used</li> <li>• Connection lifetime Once a Modbus TCP connection has been established, it will be closed after 90 seconds of inactivity</li> <li>• Broadcasts an ARP request on the local network at 30-second intervals</li> <li>• The Modbus TCP port can be specified individually for WAN and LAN</li> </ul>			
<b>Fixed:</b> <ul style="list-style-type: none"> <li>• Fixed the issue that the offset value cannot be set up correctly</li> </ul>			

# ET-7016/PET-7016

Version number	Release date	MiniOS7 Signifies which version of MiniOS7 the firmware is running on.	Function library Signifies which version of function library the firmware is using.
2.0.0	2014-04-24	MiniOS7 2.2.15	CPU 5.2.5      Ethernet 1.2.8 Web Server 1.2.8      Modbus 1.7.2
	<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>Added support for new Flash chip</li> <li>Improve the web interface for setting up the Pair-Connection</li> </ul> <p><b>Update:</b></p> <ul style="list-style-type: none"> <li>The same firmware for both ET-7000 and PET-7000 modules</li> </ul>		
1.0.2	2013-12-13	MiniOS7 2.2.10	
	<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>The Modbus TCP port can be specified individually for WAN and LAN</li> </ul> <p><b>Update:</b></p> <ul style="list-style-type: none"> <li>Provide compensation for inaccuracy resulting from floating point computations when setting up the excitation voltage</li> </ul>		
1.0.1	2013-10-10	MiniOS7 2.2.10	
	<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>Verify the new IP address has been changed</li> <li>With the DHCP enabled, the hostname (option 12) can be specified with the “Module Information” setting. If the setting is not given, the default (icpdas_xx:xx:xx) will be used</li> <li>Added options to specify the IP address and TCP port This method enables the web HMI of internal ET-7000/PET-7000 can be accessed by the remote web browser in the Internet</li> </ul> <p><b>Fixed:</b></p> <ul style="list-style-type: none"> <li>Fixed the issue that the Half-Bridge, Quarter-Bridge and Full-Bridge cannot be set up correctly</li> </ul>		

# ET-7017/PET-7017

Version number	Release date	MiniOS7 Signifies which version of MiniOS7 the firmware is running on.	Function library Signifies which version of function library the firmware is using.	
2.0.0	2014-04-24	MiniOS7 2.2.15	CPU 5.2.5 Web Server 1.2.8	Ethernet 1.2.8 Modbus 1.7.2
	<b>New and improved features:</b> <ul style="list-style-type: none"> <li>• Added support for new Flash chip</li> <li>• The Modbus TCP port can be specified individually for WAN and LAN</li> <li>• Improve the web interface for setting up the Pair-Connection</li> </ul> <b>Update:</b> <ul style="list-style-type: none"> <li>• The same firmware for both ET-7000 and PET-7000 modules</li> </ul>			
1.1.5	2012-09-04	MiniOS7 2.2.10	<b>New and improved features:</b> <ul style="list-style-type: none"> <li>• Improve the method for detecting the connection status between the ET-7000/PET-7000 and the interactive modules in order to avoid being disconnected from the network</li> <li>• Verify the new IP address has been changed</li> <li>• With the DHCP enabled, the hostname (option 12) can be specified with the “Module Information” setting. If the setting is not given, the default (icpdas_xx:xx:xx) will be used</li> <li>• Connection lifetime Once a Modbus TCP connection has been established, it will be closed after 90 seconds of inactivity</li> <li>• Broadcasts an ARP request on the local network at 30-second intervals</li> </ul> <b>Update:</b> <ul style="list-style-type: none"> <li>• Removed the option of setting up the “Router Public IP”</li> </ul>	
	<b>New and improved features:</b> <ul style="list-style-type: none"> <li>• Connection lifetime Once a connection has been established, it will be closed after 3 minutes of inactivity</li> <li>• Added options to specify the IP address and TCP port This method enables the web HMI of internal ET-7000/PET-7000 can be accessed by the remote web browser in the Internet</li> <li>• Added option to change the Modbus TCP port</li> <li>• Broadcasts an ARP request on the local network at 3-minute intervals</li> <li>• Web HMI will automatically reconnect to ET-7000/PET-7000 after disconnect</li> </ul> <b>Fixed:</b> <ul style="list-style-type: none"> <li>• Web HMI does not work properly when using either the Mozilla Firefox or SeaMonkey browser</li> <li>• An “Invalid IP Address” error message may be displayed in the “Network Settings” configuration page when running the Mozilla Firefox and SeaMonkey browsers</li> <li>• Failed to retrieve the account and password when the account/password length is exactly equal to 8 characters</li> </ul>			
1.1.1	2011-03-21	MiniOS7 2.2.10		

# ET-7017-10/PET-7017-10

Version number	Release date	MiniOS7 Signifies which version of MiniOS7 the firmware is running on.	Function library Signifies which version of function library the firmware is using.
2.0.0	2014-04-24	MiniOS7 2.2.15	CPU 5.2.5      TCP/IP 1.2.8 Web Server 1.2.8      Modbus 1.7.2
	<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>• Added support for new Flash chip</li> <li>• The Modbus TCP port can be specified individually for WAN and LAN</li> <li>• Improve the web interface for setting up the Pair-Connection</li> </ul> <p><b>Update:</b></p> <ul style="list-style-type: none"> <li>• The same firmware for both ET-7000 and PET-7000 modules</li> </ul>		
1.1.1	2011-03-21	MiniOS7 2.2.10	
	<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>• Connection lifetime Once a connection has been established, it will be closed after 3 minutes of inactivity</li> <li>• Added options to specify the IP address and TCP port This method enables the web HMI of internal ET-7000/PET-7000 can be accessed by the remote web browser in the Internet</li> <li>• Added options to change the Modbus TCP port</li> <li>• Broadcasts an ARP request on the local network at 3-minute intervals</li> <li>• Web HMI will automatically reconnect to ET-7000/PET-7000 after disconnect</li> </ul> <p><b>Fixed:</b></p> <ul style="list-style-type: none"> <li>• Web HMI does not work properly when using either the Mozilla Firefox or SeaMonkey browser</li> <li>• An “Invalid IP Address” error message may be displayed in the “Network Settings” configuration page when running the Mozilla Firefox and SeaMonkey browsers</li> <li>• Failed to retrieve the account and password when the account/password length is exactly equal to 8 characters</li> <li>• Failed to set up the analog input type in the single-ended mode</li> </ul>		

# ET-7018Z/PET-7018Z

Version number	Release date	MiniOS7 Signifies which version of MiniOS7 the firmware is running on.	Function library Signifies which version of function library the firmware is using.
2.0.0	2014-04-24	MiniOS7 2.2.15	CPU TCP/IP 1.2.8 Web Server 1.2.8 Modbus 1.7.2
	<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>Added support for new Flash chip</li> <li>The Modbus TCP port can be specified individually for WAN and LAN</li> <li>Improve the web interface for setting up the Pair-Connection</li> </ul> <p><b>Update:</b></p> <ul style="list-style-type: none"> <li>The same firmware for both ET-7000 and PET-7000 modules</li> <li>Removed the option of setting up the “Router Public IP”</li> </ul>		
1.1.1	2011-09-07	MiniOS7 2.2.10	
	<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>Connection lifetime Once a connection has been established, it will be closed after 3 minutes of inactivity</li> <li>Added options to change the Modbus TCP port</li> <li>Broadcasts an ARP request on the local network at 3-minute intervals</li> <li>Web HMI will automatically reconnect to ET-7000/PET-7000 after disconnect</li> </ul> <p><b>Fixed:</b></p> <ul style="list-style-type: none"> <li>Web HMI does not work properly when using either the Mozilla Firefox or SeaMonkey browser</li> <li>An “Invalid IP Address” error message may be displayed in the “Network Settings” configuration page when running the Mozilla Firefox and SeaMonkey browsers</li> <li>Failed to retrieve the account and password when the account/password length is exactly equal to 8 characters</li> <li>The web pages may fail to properly load all content if the LAN speed is 10Mbps</li> <li>Fixed issues regarding the Pair-Connection               <ol style="list-style-type: none"> <li>Communication may fail when receiving an illegal response from remote input device</li> <li>Cannot reconnect to remote input device after disconnect</li> <li>Modbus address of remote input device does not accept more than 10255</li> </ol> </li> </ul>		
1.1.0	2010-07-01	MiniOS7 2.2.10	
	<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>Added options to specify the IP address and TCP port This method enables the web HMI of ET-7000/PET-7000 can be accessed by the remote web browser in the Internet</li> <li>Broadcasts an ARP request on the local network at 5-minute intervals</li> <li>Web HMI will automatically reconnect to ET-7000/PET-7000 after disconnect</li> </ul> <p><b>Update:</b></p> <ul style="list-style-type: none"> <li>Enable the alarm function to operate correctly when the input signal is configured as thermocouple input</li> </ul> <p><b>Fixed:</b></p> <ul style="list-style-type: none"> <li>Host WDT does not work if the WDT timeout was set to 33 seconds or more</li> </ul>		
1.0.3	2009-09-16	MiniOS7 2.2.10	
	<p><b>Fixed:</b></p> <ul style="list-style-type: none"> <li>Fixed the issue that the module may fail to read actual temperature from the CJC sensor</li> </ul>		



# ET-7019/PET-7019

Version number	Release date	MiniOS7 Signifies which version of MiniOS7 the firmware is running on.	Function library Signifies which version of function library the firmware is using.	
2.0.0	2014-04-24	MiniOS7 2.2.15	CPU 5.2.5 Web Server 1.2.8	Ethernet 1.2.8 Modbus 1.7.2
<b>New and improved features:</b> <ul style="list-style-type: none"> <li>• Added support for new Flash chip</li> <li>• The Modbus TCP port can be specified individually for WAN and LAN</li> <li>• Improve the web interface for setting up the Pair-Connection</li> </ul>				
<b>Update:</b> <ul style="list-style-type: none"> <li>• The same firmware for both ET-7000 and PET-7000 modules</li> </ul>				
1.0.1	2011-09-07	MiniOS7 2.2.10	<b>New and improved features:</b> <ul style="list-style-type: none"> <li>• Connection lifetime Once a connection has been established, it will be closed after 3 minutes of inactivity</li> <li>• Added option to change the Modbus TCP port</li> <li>• Broadcasts an ARP request on the local network at 3-minute intervals</li> <li>• Web HMI will automatically reconnect to ET-7000/PET-7000 after disconnect</li> </ul> <b>Fixed:</b> <ul style="list-style-type: none"> <li>• Web HMI does not work properly when using either the Mozilla Firefox or SeaMonkey browser</li> <li>• An “Invalid IP Address” error message may be displayed in the “Network Settings” configuration page when running the Mozilla Firefox and SeaMonkey browsers</li> <li>• Failed to retrieve the account and password when the account/password length is exactly equal to 8 characters</li> <li>• Fixed issues regarding the Pair-Connection               <ol style="list-style-type: none"> <li>1. Communication may fail when receiving an illegal response from remote input device</li> <li>2. Cannot reconnect to remote input device after disconnect</li> <li>3. Modbus address of remote input device does not accept more than 10255</li> </ol> </li> </ul>	

# ET-7019Z/PET-7019Z

Version number	Release date	MiniOS7 Signifies which version of MiniOS7 the firmware is running on.	Function library Signifies which version of function library the firmware is using.
2.0.0	2014-04-24	MiniOS7 2.2.15	CPU 5.2.5      Ethernet 1.2.8 Web Server 1.2.8      Modbus 1.7.2
	<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>• Added support for new Flash chip</li> <li>• Improve the web interface for setting up the Pair-Connection</li> </ul> <p><b>Update:</b></p> <ul style="list-style-type: none"> <li>• The same firmware for both ET-7000 and PET-7000 modules</li> </ul>		
1.1.2	2014-02-20	MiniOS7 2.2.10	
	<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>• Verify the new IP address has been changed</li> <li>• With the DHCP enabled, the hostname (option 12) can be specified with the “Module Information” setting. If the setting is not given, the default (icpdas_xx:xx:xx) will be used</li> <li>• Connection lifetime Once a Modbus TCP connection has been established, it will be closed after 90 seconds of inactivity (With the version 1.0.0, the connection was closed after 180 seconds)</li> <li>• Broadcasts an ARP request to the gateway at 30-second intervals (With the version 1.0.0, the ARP requests were broadcasted at 180-second intervals)</li> <li>• The Modbus TCP port can be specified individually for WAN and LAN</li> </ul> <p><b>Fixed:</b></p> <ul style="list-style-type: none"> <li>• Fixed the issue that the Open Wire Detection does not correspond to the actual setting after setting it up via the web interface</li> </ul>		
1.0.0	2011-09-05	MiniOS7 2.2.10	
	First Release		

# ET-7026/PET-7026

Version number	Release date	MiniOS7 Signifies which version of MiniOS7 the firmware is running on.	Function library Signifies which version of function library the firmware is using.
2.0.0	2014-04-24	MiniOS7 2.2.15	CPU 5.2.5      Ethernet 1.2.8 Web Server 1.2.8      Modbus 1.7.2
	<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>Added support for new Flash chip</li> <li>The Modbus TCP port can be specified individually for WAN and LAN</li> <li>Improve the web interface for setting up the Pair-Connection</li> </ul> <p><b>Update:</b></p> <ul style="list-style-type: none"> <li>The same firmware for both ET-7000 and PET-7000 modules</li> </ul>		
1.1.4	2012-08-24	MiniOS7 2.2.10	
	<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>Improve the method for detecting the connection status between the ET-7000/PET-7000 and the interactive modules in order to avoid being disconnected from the network</li> </ul>		
1.1.3	2012-03-26	MiniOS7 2.2.10	
	<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>Verify the new IP address has been changed</li> <li>With the DHCP enabled, the hostname (option 12) can be specified with the “Module Information” setting. If the setting is not given, the default (icpdas_xx:xx:xx) will be used</li> <li>Connection lifetime Once a Modbus TCP connection has been established, it will be closed after 90 seconds of inactivity</li> <li>Broadcasts an ARP request on the local network at 30-second intervals</li> </ul> <p><b>Update:</b></p> <ul style="list-style-type: none"> <li>Removed the option of setting up the “Router Public IP”</li> </ul> <p><b>Fixed:</b></p> <ul style="list-style-type: none"> <li>Web HMI does not work properly when using either the Mozilla Firefox or SeaMonkey browser</li> <li>The counter value will stay the same upon reboot if the module is reset by either WDT or reset command</li> <li>When the module accepted the first Modbus query (Function code 06/16) after changing the type of analog output channels, the analog outputs may output a different current/voltage than user would expect</li> </ul>		
1.0.6	2010-02-02	MiniOS7 2.2.10	
	<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>Added support for AI-to-AO Pair-Connection</li> </ul> <p><b>Fixed:</b></p> <ul style="list-style-type: none"> <li>Fixed the issue that the Web HMI page failed to convert AO value from hex to floating value when AO channels was set to current type</li> </ul>		
1.0.4	2009-12-14	MiniOS7 2.2.10	
	<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>Added support for Modbus UDP protocol</li> <li>Added options to specify the IP address and TCP port This method enables the web HMI of internal ET-7000/PET-7000 can be accessed by the remote web browser in the Internet</li> </ul> <p><b>Fixed:</b></p> <ul style="list-style-type: none"> <li>Fixed issues regarding the Pair-Connection <ol style="list-style-type: none"> <li>Communication may fail when receiving an illegal response from remote input device</li> <li>Cannot reconnect to remote input device after disconnect</li> <li>Modbus address of remote input device does not accept more than 10255</li> </ol> </li> </ul>		

1.0.3	2009-10-05	MiniOS7 2.2.10	
<b>New and improved features:</b> <ul style="list-style-type: none"><li>• Added support for 32-bit counter</li><li>• The latch status of specified DI channel can be cleared individually</li></ul>			

# ET-7042/PET-7042

Version number	Release date	MiniOS7 Signifies which version of MiniOS7 the firmware is running on.	Function library Signifies which version of function library the firmware is using.	
3.0.0	2017-04-26	MiniOS7 2.02.016	CPU 5.2.5 Web Server 2.1.1	Ethernet 1.3.0 Modbus 1.7.2
	<b>Update:</b> <ul style="list-style-type: none"> <li>Use HTML5 features to build the web interface, which does not require Adobe Flash Player</li> <li>Change the unit of timeout of the Host Watchdog timer from second to 0.1 seconds</li> </ul>			
2.0.0	2014-04-24	MiniOS7 2.02.015	CPU 5.2.5	Ethernet 1.2.8
			Web Server 1.2.8	Modbus 1.7.2
<b>New and improved features:</b> <ul style="list-style-type: none"> <li>Added support for new Flash chip</li> <li>The Modbus TCP port can be specified individually for WAN and LAN</li> <li>Improve the web interface for setting up the Pair-Connection</li> </ul>				
1.3.1	2012-07-24	MiniOS7 2.02.010		
	<b>New and improved features:</b> <ul style="list-style-type: none"> <li>Improve the method for detecting the connection status between the ET-7000 and the interactive modules in order to avoid being disconnected from the network</li> </ul>			
1.3.0	2012-03-27	MiniOS7 2.02.010		
	<b>New and improved features:</b> <ul style="list-style-type: none"> <li>Verify the new IP address has been changed</li> <li>With the DHCP enabled, the hostname (option 12) can be specified with the “Module Information” setting. If the setting is not given, the default (icpdas_xx:xx:xx) will be used.</li> <li>Connection lifetime Once a Modbus TCP connection has been established, it will be closed after 90 seconds of inactivity</li> </ul>			
1.2.1	2010-04-28	MiniOS7 2.02.010		
	<b>New and improved features:</b> <ul style="list-style-type: none"> <li>Added support for Modbus UDP protocol</li> <li>Added options to specify the IP address and TCP port This method enables the web HMI of internal ET-7000 can be accessed by the remote web browser in the Internet</li> <li>Added an option to change the Modbus ID</li> <li>Broadcasts an ARP request on the local network at 5-minute intervals</li> <li>Web HMI will automatically reconnect to ET-7000 after disconnect</li> </ul> <b>Update:</b> <ul style="list-style-type: none"> <li>Communication of Web HMI is based on Adobe Flash Player This content requires the Adobe Flash Player and a browser with Javascript enabled</li> </ul> <b>Fixed:</b> <ul style="list-style-type: none"> <li>Fixed issues regarding the Pair-Connection               <ol style="list-style-type: none"> <li>Communication may fail when receiving an illegal response from remote input device</li> <li>Cannot reconnect to remote input device after disconnect</li> <li>Modbus address of remote input device does not accept more than 10255</li> </ol> </li> <li>Host WDT does not work if the WDT timeout was set to 33 seconds or more</li> <li>“More Information URL” field does not accept more than 12 characters</li> </ul>			

# ET-7044/PET-7044

Version number	Release date	MiniOS7 Signifies which version of MiniOS7 the firmware is running on.	Function library Signifies which version of function library the firmware is using.	
3.0.0	2017-04-26	MiniOS7 2.02.016	CPU 5.2.5	Ethernet 1.3.0
			Web Server 2.1.1	Modbus 1.7.2
<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>Added a software low-pass filter to the digital input counter. The low-pass filter can be either disabled or programmable.</li> <li>I/O pair-connection can be enabled and configured to allow local digital inputs to be mapped to remote digital outputs over Ethernet</li> </ul> <p><b>Update:</b></p> <ul style="list-style-type: none"> <li>Use HTML5 features to build the web interface, which does not require Adobe Flash Player</li> <li>Change the unit of timeout of the Host Watchdog timer from second to 0.1 seconds</li> </ul>				
2.0.0	2014-04-24	MiniOS7 2.02.015	CPU 5.2.5	Ethernet 1.2.8
			Web Server 1.2.8	Modbus 1.7.2
<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>Added support for new Flash chip</li> <li>The Modbus TCP port can be specified individually for WAN and LAN</li> <li>Improve the web interface for setting up the Pair-Connection</li> </ul> <p><b>Update:</b></p> <ul style="list-style-type: none"> <li>The same firmware for both ET-7000 and PET-7000 modules</li> </ul>				
1.3.1	2012-07-24	MiniOS7 2.02.010		
			<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>Improve the method for detecting the connection status between the ET-7000/PET-7000 and the interactive modules in order to avoid being disconnected from the network</li> </ul>	
1.3.0	2012-03-27	MiniOS7 2.02.010		
			<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>Verify the new IP address has been changed</li> <li>With the DHCP enabled, the hostname (option 12) can be specified with the “Module Information” setting. If the setting is not given, the default (icpdas_xx:xx:xx) will be used.</li> <li>Connection lifetime Once a Modbus TCP connection has been established, it will be closed after 90 seconds of inactivity</li> </ul>	
1.2.1	2010-04-28	MiniOS7 2.02.010		
			<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>Added support for Modbus UDP protocol</li> <li>Added options to specify the IP address and TCP port This method enables the web HMI of internal ET-7000/PET-7000 can be accessed by the remote web browser in the Internet</li> <li>Added an option to change the Modbus ID</li> <li>Added an option to inverse the value of DI counter</li> <li>Broadcasts an ARP request on the local network at 5-minute intervals</li> <li>Web HMI will automatically reconnect to ET-7000/PET-7000 after disconnect</li> </ul> <p><b>Update:</b></p> <ul style="list-style-type: none"> <li>Communication of Web HMI is based on Adobe Flash Player This content requires the Adobe Flash Player and a browser with Javascript enabled</li> </ul> <p><b>Fixed:</b></p> <ul style="list-style-type: none"> <li>Fixed issues regarding the Pair-Connection <ol style="list-style-type: none"> <li>Communication may fail when receiving an illegal response from remote input device</li> <li>Cannot reconnect to remote input device after disconnect</li> <li>Modbus address of remote input device does not accept more than 10255</li> </ol> </li> </ul>	

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|  | <ul style="list-style-type: none"><li>• The preset value will be reset to 0 before clearing the DI counter value</li><li>• Host WDT does not work if the WDT timeout was set to 33 seconds or more</li><li>• “More Information URL” field does not accept more than 12 characters</li></ul> |
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# ET-7050/PET-7050

Version number	Release date	MiniOS7 Signifies which version of MiniOS7 the firmware is running on.	Function library Signifies which version of function library the firmware is using.	
3.0.0	2017-04-26	MiniOS7 2.02.016	CPU 5.2.5	Ethernet 1.3.0
			Web Server 2.1.1	Modbus 1.7.2
<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>Added a software low-pass filter to the digital input counter. The low-pass filter can be either disabled or programmable.</li> <li>I/O pair-connection can be enabled and configured to allow local digital inputs to be mapped to remote digital outputs over Ethernet</li> </ul> <p><b>Update:</b></p> <ul style="list-style-type: none"> <li>Use HTML5 features to build the web interface, which does not require Adobe Flash Player</li> <li>Change the unit of timeout of the Host Watchdog timer from second to 0.1 seconds</li> </ul>				
2.0.0	2014-04-24	MiniOS7 2.02.015	CPU 5.2.5	Ethernet 1.2.8
			Web Server 1.2.8	Modbus 1.7.2
<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>Added support for new Flash chip</li> <li>The Modbus TCP port can be specified individually for WAN and LAN</li> <li>Improve the web interface for setting up the Pair-Connection</li> </ul>				
1.3.1	2012-07-24	MiniOS7 2.02.010		
			<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>Improve the method for detecting the connection status between the ET-7000 and the interactive modules in order to avoid being disconnected from the network</li> </ul>	
1.3.0	2012-03-27	MiniOS7 2.02.010		
			<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>Verify the new IP address has been changed</li> <li>With the DHCP enabled, the hostname (option 12) can be specified with the “Module Information” setting. If the setting is not given, the default (icpdas_xx:xx:xx) will be used.</li> <li>Connection lifetime Once a Modbus TCP connection has been established, it will be closed after 90 seconds of inactivity</li> </ul>	
1.2.1	2010-04-28	MiniOS7 2.02.010		
			<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>Added support for Modbus UDP protocol</li> <li>Added options to specify the IP address and TCP port This method enables the web HMI of internal ET-7000 can be accessed by the remote web browser in the Internet</li> <li>Added an option to change the Modbus ID</li> <li>Added an option to inverse the value of DI counter</li> <li>Broadcasts an ARP request on the local network at 5-minute intervals</li> <li>Web HMI will automatically reconnect to ET-7000 after disconnect</li> </ul> <p><b>Update:</b></p> <ul style="list-style-type: none"> <li>Communication of Web HMI is based on Adobe Flash Player This content requires the Adobe Flash Player and a browser with Javascript enabled</li> </ul> <p><b>Fixed:</b></p> <ul style="list-style-type: none"> <li>Fixed issues regarding the Pair-Connection <ol style="list-style-type: none"> <li>Communication may fail when receiving an illegal response from remote input device</li> <li>Cannot reconnect to remote input device after disconnect</li> <li>Modbus address of remote input device does not accept more than 10255</li> </ol> </li> <li>The preset value will be reset to 0 before clearing the DI counter value</li> <li>Host WDT does not work if the WDT timeout was set to 33 seconds or more</li> <li>“More Information URL” field does not accept more than 12 characters</li> </ul>	



# ET-7051/PET-7051

Version number	Release date	MiniOS7 Signifies which version of MiniOS7 the firmware is running on.	Function library Signifies which version of function library the firmware is using.	
3.0.0	2017-04-26	MiniOS7 2.02.016	CPU 5.2.5	Ethernet 1.3.0
			Web Server 2.1.1	Modbus 1.7.2
<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>Added a software low-pass filter to the digital input counter. The low-pass filter can be either disabled or programmable.</li> <li>I/O pair-connection can be enabled and configured to allow local digital inputs to be mapped to remote digital outputs over Ethernet</li> </ul> <p><b>Update:</b></p> <ul style="list-style-type: none"> <li>Use HTML5 features to build the web interface, which does not require Adobe Flash Player</li> </ul>				
2.0.0	2014-04-24	MiniOS7 2.02.015	CPU 5.2.5	Ethernet 1.2.8
			Web Server 1.2.8	Modbus 1.7.2
<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>Added support for new Flash chip</li> <li>The Modbus TCP port can be specified individually for WAN and LAN</li> </ul> <p><b>Update:</b></p> <ul style="list-style-type: none"> <li>The same firmware for both ET-7000 and PET-7000 modules</li> </ul>				
1.3.1	2012-07-24	MiniOS7 2.02.010		
			<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>Improve the method for detecting the connection status between the ET-7000/PET-7000 and the interactive modules in order to avoid being disconnected from the network</li> </ul>	
1.3.0	2012-03-27	MiniOS7 2.02.010		
			<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>Verify the new IP address has been changed</li> <li>With the DHCP enabled, the hostname (option 12) can be specified with the “Module Information” setting. If the setting is not given, the default (icpdas_xx:xx:xx) will be used.</li> <li>Connection lifetime</li> <li>Once a Modbus TCP connection has been established, it will be closed after 90 seconds of inactivity</li> </ul>	
1.2.1	2010-04-28	MiniOS7 2.02.010		
			<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>Added support for Modbus UDP protocol</li> <li>Added options to specify the IP address and TCP port This method enables the web HMI of internal ET-7000/PET-7000 can be accessed by the remote web browser in the Internet</li> <li>Added an option to change the Modbus ID</li> <li>Added an option to inverse the value of DI counter</li> <li>Broadcasts an ARP request on the local network at 5-minute intervals</li> <li>Web HMI will automatically reconnect to ET-7000/PET-7000 after disconnect</li> </ul> <p><b>Update:</b></p> <ul style="list-style-type: none"> <li>Communication of Web HMI is based on Adobe Flash Player This content requires the Adobe Flash Player and a browser with Javascript enabled</li> </ul> <p><b>Fixed:</b></p> <ul style="list-style-type: none"> <li>The preset value will be reset to 0 before clearing the DI counter value</li> <li>“More Information URL” field does not accept more than 12 characters</li> </ul>	

# ET-7052/PET-7052

Version number	Release date	MiniOS7 Signifies which version of MiniOS7 the firmware is running on.	Function library Signifies which version of function library the firmware is using.	
3.0.0	2017-04-26	MiniOS7 2.02.016	CPU 5.2.5	Ethernet 1.3.0
			Web Server 2.1.1	Modbus 1.7.2
<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>Added a software low-pass filter to the digital input counter. The low-pass filter can be either disabled or programmable.</li> <li>I/O pair-connection can be enabled and configured to allow local digital inputs to be mapped to remote digital outputs over Ethernet</li> </ul> <p><b>Update:</b></p> <ul style="list-style-type: none"> <li>Use HTML5 features to build the web interface, which does not require Adobe Flash Player</li> <li>Change the unit of timeout of the Host Watchdog timer from second to 0.1 seconds</li> </ul>				
2.0.0	2014-04-24	MiniOS7 2.02.015	CPU 5.2.5	Ethernet 1.2.8
			Web Server 1.2.8	Modbus 1.7.2
<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>Added support for new Flash chip</li> <li>The Modbus TCP port can be specified individually for WAN and LAN</li> <li>Improve the web interface for setting up the Pair-Connection</li> </ul> <p><b>Update:</b></p> <ul style="list-style-type: none"> <li>The same firmware for both ET-7000 and PET-7000 modules</li> </ul>				
1.3.1	2012-07-24	MiniOS7 2.02.010		
			<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>Improve the method for detecting the connection status between the ET-7000/PET-7000 and the interactive modules in order to avoid being disconnected from the network</li> </ul>	
1.3.0	2012-03-27	MiniOS7 2.02.010		
			<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>Verify the new IP address has been changed</li> <li>With the DHCP enabled, the hostname (option 12) can be specified with the "Module Information" setting. If the setting is not given, the default (icpdas_xx:xx:xx) will be used.</li> <li>Connection lifetime Once a Modbus TCP connection has been established, it will be closed after 90 seconds of inactivity</li> </ul>	
1.2.1	2010-04-28	MiniOS7 2.02.010		
			<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>Added support for Modbus UDP protocol</li> <li>Added options to specify the IP address and TCP port This method enables the web HMI of internal ET-7000/PET-7000 can be accessed by the remote web browser in the Internet</li> <li>Added an option to change the Modbus ID</li> <li>Added an option to inverse the value of DI counter</li> <li>Broadcasts an ARP request on the local network at 5-minute intervals</li> <li>Web HMI will automatically reconnect to ET-7000/PET-7000 after disconnect</li> </ul> <p><b>Update:</b></p> <ul style="list-style-type: none"> <li>Communication of Web HMI is based on Adobe Flash Player This content requires the Adobe Flash Player and a browser with Javascript enabled</li> </ul> <p><b>Fixed:</b></p> <ul style="list-style-type: none"> <li>Fixed issues regarding the Pair-Connection <ol style="list-style-type: none"> <li>Communication may fail when receiving an illegal response from remote input device</li> <li>Cannot reconnect to remote input device after disconnect</li> <li>Modbus address of remote input device does not accept more than 10255</li> </ol> </li> </ul>	

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|  | <ul style="list-style-type: none"><li>• The preset value will be reset to 0 before clearing the DI counter value</li><li>• Host WDT does not work if the WDT timeout was set to 33 seconds or more</li><li>• “More Information URL” field does not accept more than 12 characters</li></ul> |
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# ET-7053/PET-7053

Version number	Release date	MiniOS7 Signifies which version of MiniOS7 the firmware is running on.	Function library Signifies which version of function library the firmware is using.	
3.0.0	2017-04-26	MiniOS7 2.02.016	CPU 5.2.5	Ethernet 1.3.0
			Web Server 2.1.1	Modbus 1.7.2
<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>Added a software low-pass filter to the digital input counter. The low-pass filter can be either disabled or programmable.</li> <li>I/O pair-connection can be enabled and configured to allow local digital inputs to be mapped to remote digital outputs over Ethernet</li> </ul> <p><b>Update:</b></p> <ul style="list-style-type: none"> <li>Use HTML5 features to build the web interface, which does not require Adobe Flash Player</li> </ul>				
2.0.0	2014-04-24	MiniOS7 2.02.015	CPU 5.2.5	Ethernet 1.2.8
			Web Server 1.2.8	Modbus 1.7.2
<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>Added support for new Flash chip</li> <li>The Modbus TCP port can be specified individually for WAN and LAN</li> </ul> <p><b>Update:</b></p> <ul style="list-style-type: none"> <li>The same firmware for both ET-7000 and PET-7000 modules</li> </ul>				
1.3.1	2012-07-24	MiniOS7 2.02.010		
			<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>Improve the method for detecting the connection status between the ET-7000/PET-7000 and the interactive modules in order to avoid being disconnected from the network</li> </ul>	
1.3.0	2012-03-27	MiniOS7 2.02.010		
			<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>Verify the new IP address has been changed</li> <li>With the DHCP enabled, the hostname (option 12) can be specified with the “Module Information” setting. If the setting is not given, the default (icpdas_xx:xx:xx) will be used.</li> <li>Connection lifetime</li> <li>Once a Modbus TCP connection has been established, it will be closed after 90 seconds of inactivity</li> </ul>	
1.2.1	2010-04-28	MiniOS7 2.02.010		
			<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>Added support for Modbus UDP protocol</li> <li>Added options to specify the IP address and TCP port This method enables the web HMI of internal ET-7000/PET-7000 can be accessed by the remote web browser in the Internet</li> <li>Added an option to change the Modbus ID</li> <li>Added an option to inverse the value of DI counter</li> <li>Broadcasts an ARP request on the local network at 5-minute intervals</li> <li>Web HMI will automatically reconnect to ET-7000/PET-7000 after disconnect</li> </ul> <p><b>Update:</b></p> <ul style="list-style-type: none"> <li>Communication of Web HMI is based on Adobe Flash Player This content requires the Adobe Flash Player and a browser with Javascript enabled</li> </ul> <p><b>Fixed:</b></p> <ul style="list-style-type: none"> <li>The preset value will be reset to 0 before clearing the DI counter value</li> <li>“More Information URL” field does not accept more than 12 characters</li> </ul>	

# ET-7060/PET-7060

Version number	Release date	MiniOS7 Signifies which version of MiniOS7 the firmware is running on.	Function library Signifies which version of function library the firmware is using.	
3.0.0	2017-04-26	MiniOS7 2.02.016	CPU 5.2.5	Ethernet 1.3.0
			Web Server 2.1.1	Modbus 1.7.2
<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>Added a software low-pass filter to the digital input counter. The low-pass filter can be either disabled or programmable.</li> <li>I/O pair-connection can be enabled and configured to allow local digital inputs to be mapped to remote digital outputs over Ethernet</li> </ul> <p><b>Update:</b></p> <ul style="list-style-type: none"> <li>Use HTML5 features to build the web interface, which does not require Adobe Flash Player</li> <li>Change the unit of timeout of the Host Watchdog timer from second to 0.1 seconds</li> </ul>				
2.0.0	2014-04-24	MiniOS7 2.02.015	CPU 5.2.5	Ethernet 1.2.8
			Web Server 1.2.8	Modbus 1.7.2
<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>Added support for new Flash chip</li> <li>The Modbus TCP port can be specified individually for WAN and LAN</li> <li>Improve the web interface for setting up the Pair-Connection</li> </ul> <p><b>Update:</b></p> <ul style="list-style-type: none"> <li>The same firmware for both ET-7000 and PET-7000 modules</li> </ul>				
1.3.1	2012-07-24	MiniOS7 2.02.010		
			<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>Improve the method for detecting the connection status between the ET-7000/PET-7000 and the interactive modules in order to avoid being disconnected from the network</li> </ul>	
1.3.0	2012-03-27	MiniOS7 2.02.010		
			<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>Verify the new IP address has been changed</li> <li>With the DHCP enabled, the hostname (option 12) can be specified with the “Module Information” setting. If the setting is not given, the default (icpdas_xx:xx:xx) will be used.</li> <li>Connection lifetime Once a Modbus TCP connection has been established, it will be closed after 90 seconds of inactivity</li> </ul>	
1.2.1	2010-04-28	MiniOS7 2.02.010		
			<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>Added support for Modbus UDP protocol</li> <li>Added options to specify the IP address and TCP port This method enables the web HMI of internal ET-7000/PET-7000 can be accessed by the remote web browser in the Internet</li> <li>Added an option to change the Modbus ID</li> <li>Added an option to inverse the value of DI counter</li> <li>Broadcasts an ARP request on the local network at 5-minute intervals</li> <li>Web HMI will automatically reconnect to ET-7000/PET-7000 after disconnect</li> </ul> <p><b>Update:</b></p> <ul style="list-style-type: none"> <li>Communication of Web HMI is based on Adobe Flash Player This content requires the Adobe Flash Player and a browser with Javascript enabled</li> </ul> <p><b>Fixed:</b></p> <ul style="list-style-type: none"> <li>Fixed issues regarding the Pair-Connection <ol style="list-style-type: none"> <li>Communication may fail when receiving an illegal response from remote input device</li> <li>Cannot reconnect to remote input device after disconnect</li> <li>Modbus address of remote input device does not accept more than 10255</li> </ol> </li> </ul>	

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|  | <ul style="list-style-type: none"><li>• The preset value will be reset to 0 before clearing the DI counter value</li><li>• Host WDT does not work if the WDT timeout was set to 33 seconds or more</li><li>• “More Information URL” field does not accept more than 12 characters</li></ul> |
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# ET-7065

Version number	Release date	MiniOS7 Signifies which version of MiniOS7 the firmware is running on.	Function library Signifies which version of function library the firmware is using.	
3.0.0	2017-04-26	MiniOS7 2.02.016	CPU 5.2.5	Ethernet 1.3.0
			Web Server 2.1.1	Modbus 1.7.2
<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>Added a software low-pass filter to the digital input counter. The low-pass filter can be either disabled or programmable.</li> <li>I/O pair-connection can be enabled and configured to allow local digital inputs to be mapped to remote digital outputs over Ethernet</li> </ul> <p><b>Update:</b></p> <ul style="list-style-type: none"> <li>Use HTML5 features to build the web interface, which does not require Adobe Flash Player</li> <li>Change the unit of timeout of the Host Watchdog timer from second to 0.1 seconds</li> </ul>				
2.0.0	2014-04-24	MiniOS7 2.02.015	CPU 5.2.5	Ethernet 1.2.8
			Web Server 1.2.8	Modbus 1.7.2
<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>Added support for new Flash chip</li> <li>The Modbus TCP port can be specified individually for WAN and LAN</li> <li>Improve the web interface for setting up the Pair-Connection</li> </ul>				
1.3.1	2012-07-24	MiniOS7 2.02.010		
			<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>Improve the method for detecting the connection status between the ET-7000 and the interactive modules in order to avoid being disconnected from the network</li> </ul>	
1.3.0	2012-03-27	MiniOS7 2.02.010		
			<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>Verify the new IP address has been changed</li> <li>With the DHCP enabled, the hostname (option 12) can be specified with the “Module Information” setting. If the setting is not given, the default (icpdas_xx:xx:xx) will be used.</li> <li>Connection lifetime Once a Modbus TCP connection has been established, it will be closed after 90 seconds of inactivity</li> </ul>	
1.2.1	2010-04-28	MiniOS7 2.02.010		
			<p><b>New and improved features:</b></p> <ul style="list-style-type: none"> <li>Added support for Modbus UDP protocol</li> <li>Added options to specify the IP address and TCP port This method enables the web HMI of internal ET-7000 can be accessed by the remote web browser in the Internet</li> <li>Added an option to change the Modbus ID</li> <li>Added an option to inverse the value of DI counter</li> <li>Broadcasts an ARP request on the local network at 5-minute intervals</li> <li>Web HMI will automatically reconnect to ET-7000 after disconnect</li> </ul> <p><b>Update:</b></p> <ul style="list-style-type: none"> <li>Communication of Web HMI is based on Adobe Flash Player This content requires the Adobe Flash Player and a browser with Javascript enabled</li> </ul> <p><b>Fixed:</b></p> <ul style="list-style-type: none"> <li>Fixed issues regarding the Pair-Connection               <ol style="list-style-type: none"> <li>Communication may fail when receiving an illegal response from remote input device</li> <li>Cannot reconnect to remote input device after disconnect</li> <li>Modbus address of remote input device does not accept more than 10255</li> </ol> </li> <li>The preset value will be reset to 0 before clearing the DI counter value</li> <li>Host WDT does not work if the WDT timeout was set to 33 seconds or more</li> <li>“More Information URL” field does not accept more than 12 characters</li> </ul>	

# ET-7066

Version number	Release date	MiniOS7 Signifies which version of MiniOS7 the firmware is running on.	Function library Signifies which version of function library the firmware is using.
3.0.0	2017-04-26	MiniOS7 2.02.016	CPU 5.2.5      Ethernet 1.3.0
			Web Server 2.1.1      Modbus 1.7.2
<b>Update:</b> <ul style="list-style-type: none"> <li>• Use HTML5 features to build the web interface, which does not require Adobe Flash Player</li> <li>• Change the unit of timeout of the Host Watchdog timer from second to 0.1 seconds</li> </ul>			
2.0.0	2014-04-24	MiniOS7 2.02.015	CPU 5.2.5      Ethernet 1.2.8
			Web Server 1.2.8      Modbus 1.7.2
<b>New and improved features:</b> <ul style="list-style-type: none"> <li>• Added support for new Flash chip</li> <li>• The Modbus TCP port can be specified individually for WAN and LAN</li> <li>• Improve the web interface for setting up the Pair-Connection</li> </ul>			
1.3.1	2012-07-24	MiniOS7 2.02.010	
			<b>New and improved features:</b> <ul style="list-style-type: none"> <li>• Improve the method for detecting the connection status between the ET-7000 and the interactive modules in order to avoid being disconnected from the network</li> </ul>
1.3.0	2012-03-27	MiniOS7 2.02.010	
			<b>New and improved features:</b> <ul style="list-style-type: none"> <li>• Verify the new IP address has been changed</li> <li>• With the DHCP enabled, the hostname (option 12) can be specified with the “Module Information” setting. If the setting is not given, the default (icpdas_xx:xx:xx) will be used.</li> <li>• Connection lifetime Once a Modbus TCP connection has been established, it will be closed after 90 seconds of inactivity</li> </ul>
1.2.1	2010-04-28	MiniOS7 2.02.010	
			<b>New and improved features:</b> <ul style="list-style-type: none"> <li>• Added support for Modbus UDP protocol</li> <li>• Added options to specify the IP address and TCP port This method enables the web HMI of internal ET-7000 can be accessed by the remote web browser in the Internet</li> <li>• Added an option to change the Modbus ID</li> <li>• Broadcasts an ARP request on the local network at 5-minute intervals</li> <li>• Web HMI will automatically reconnect to ET-7000 after disconnect</li> </ul> <b>Update:</b> <ul style="list-style-type: none"> <li>• Communication of Web HMI is based on Adobe Flash Player This content requires the Adobe Flash Player and a browser with Javascript enabled</li> </ul> <b>Fixed issues:</b> <ul style="list-style-type: none"> <li>• Fixed issues regarding the Pair-Connection <ol style="list-style-type: none"> <li>1. Communication may fail when receiving an illegal response from remote input device</li> <li>2. Cannot reconnect to remote input device after disconnect</li> <li>3. Modbus address of remote input device does not accept more than 10255</li> </ol> </li> <li>• Host WDT does not work if the WDT timeout was set to 33 seconds or more</li> <li>• “More Information URL” field does not accept more than 12 characters</li> </ul>



# ET-7067/PET-7067

Version number	Release date	MiniOS7 Signifies which version of MiniOS7 the firmware is running on.	Function library Signifies which version of function library the firmware is using.
3.0.0	2017-04-26	MiniOS7 2.02.016	CPU 5.2.5      Ethernet 1.3.0
			Web Server 2.1.1      Modbus 1.7.2
<b>Update:</b> <ul style="list-style-type: none"> <li>• Use HTML5 features to build the web interface, which does not require Adobe Flash Player</li> <li>• Change the unit of timeout of the Host Watchdog timer from second to 0.1 seconds</li> </ul>			
2.0.0	2014-04-24	MiniOS7 2.02.015	CPU 5.2.5      Ethernet 1.2.8
			Web Server 1.2.8      Modbus 1.7.2
<b>New and improved features:</b> <ul style="list-style-type: none"> <li>• Added support for new Flash chip</li> <li>• The Modbus TCP port can be specified individually for WAN and LAN</li> <li>• Improve the web interface for setting up the Pair-Connection</li> </ul>			
<b>Update:</b> <ul style="list-style-type: none"> <li>• The same firmware for both ET-7000 and PET-7000 modules</li> </ul>			
1.3.1	2012-07-24	MiniOS7 2.02.010	
			<b>New and improved features:</b> <ul style="list-style-type: none"> <li>• Improve the method for detecting the connection status between the ET-7000/PET-7000 and the interactive modules in order to avoid being disconnected from the network</li> </ul>
1.3.0	2012-03-27	MiniOS7 2.02.010	
			<b>New and improved features:</b> <ul style="list-style-type: none"> <li>• Verify the new IP address has been changed</li> <li>• With the DHCP enabled, the hostname (option 12) can be specified with the “Module Information” setting. If the setting is not given, the default (icpdas_xx:xx:xx) will be used.</li> <li>• Connection lifetime Once a Modbus TCP connection has been established, it will be closed after 90 seconds of inactivity</li> </ul>
1.2.1	2010-04-28	MiniOS7 2.02.010	
			<b>New and improved features:</b> <ul style="list-style-type: none"> <li>• Added support for Modbus UDP protocol</li> <li>• Added options to specify the IP address and TCP port This method enables the web HMI of internal ET-7000/PET-7000 can be accessed by the remote web browser in the Internet</li> <li>• Added an option to change the Modbus ID</li> <li>• Broadcasts an ARP request on the local network at 5-minute intervals</li> <li>• Web HMI will automatically reconnect to ET-7000/PET-7000 after disconnect</li> </ul>
<b>Update:</b> <ul style="list-style-type: none"> <li>• Communication of Web HMI is based on Adobe Flash Player This content requires the Adobe Flash Player and a browser with Javascript enabled</li> </ul>			
<b>Fixed issues:</b> <ul style="list-style-type: none"> <li>• Fixed issues regarding the Pair-Connection <ol style="list-style-type: none"> <li>1. Communication may fail when receiving an illegal response from remote input device</li> <li>2. Cannot reconnect to remote input device after disconnect</li> <li>3. Modbus address of remote input device does not accept more than 10255</li> </ol> </li> <li>• Host WDT does not work if the WDT timeout was set to 33 seconds or more</li> <li>• “More Information URL” field does not accept more than 12 characters</li> </ul>			