

# MT9083A2/B2/C2 ACCESS Master

## Release Note

### Version 2.05

Thank you for choosing the Anritsu MT9083A2/B2/C2 ACCESS Master.

This release note explains the functions updated by firmware version 2.05 for the MT9083A2/B2/C2.

It also provides notes on known software issues and usage precautions.

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## 1. Release Software and Manuals

This upgrade contains the following MT9083A2/B2/C2 software and manuals.

Download File Name	Version
MT9083A2/B2/C2 Firmware Version	2.05
Operation Manual	Edition
MT9083 Series ACCESS Master Operation Manual	20.0
MT9083 Series ACCESS Master Remote Control Operation manual	4.0

## 2. Target Models

MT9083A2, MT9083B2, MT9083C2

## 3. Version Information

This table shows the firmware version. Confirm the firmware version of your MT9083A2/B2/C2 at the Setup Key (select #5 on the key pad) and “About” screen (select f6).

Product Name	Version
MT9083A2/B2/C2 Firmware Update File	2.05

## 4. New Features

### Functions added and modified by upgrading the firmware version from 2.04 to 2.05.

- Added a pulse width of “30 ns” as an OTDR measurement condition.
- Modified the upper limit for the number of characters, which you can input in the **Site A**, **Site B**, and **Other** fields of the OTDR (Construction) Setup screen, to 30.
- Added **Pulse width** as an option for **MACRO** in the Save screen.
- Modified the upper limit for the number of shortcut characters, which you can input in the Save screen, to 16.
- Added an SCPI command that sets the header of an SOR file.
- Added an SCPI command that saves an SOR file to the internal memory of the ACCESS Master.

### Functions added and modified by upgrading the firmware version from 2.03 to 2.04.

- None.

### Functions added and modified by upgrading the firmware version from 2.02 to 2.03.

- Added Fresnel Measure mode to the real-time measurement.  
Fresnel and Backscatter can be displayed properly together.  
Note: The refresh speed of waveform is slower in Fresnel Measure mode than in general real-time measurements.
- Added a mode to change the Start key functions.  
When selecting Setup – Preferences (2-2) > Start Key Operation > Start Auto or Manual Test, the Start key always allows measurement either in Manual or Auto. Test Mode (F1) on the OTDR (Standard) screen enables switching between Manual and Auto.
- “Direction” can be stored in header information.
- Added the “Scenario Manager Lite” function.  
“Scenario Manager Lite” can automatically execute a script file written by SCPI command.

**Functions added and modified by upgrading the firmware version from 2.01 to 2.02.**


- Supported the G0306B video inspection probe.

**Functions added and modified by upgrading the firmware version from 2.00 to 2.01.**

- None.

**Functions added and modified by upgrading the firmware version from 1.20 to 2.00.**

- Files on MT9083x2 can now be accessed via Wi-Fi/Bluetooth/Ethernet from your PC. Connect a USB dongle/converter to the port, and then you will see the connection settings screen. For USB dongles/converters that are known to work with MT9083x2, refer to 7 “Cautions”.
- The following information has been added to Fiber Visualizer's PDF reports:
  - Model
  - Serial number
  - Calibration date
  - Calibration due date

To access the Calibration Data Settings screen, press the Setup key ()<sup>Setup</sup>, and then press **Calibration Data Settings** (f3).

- Spaces can now be used in file names when creating PDF reports in Fiber Visualizer mode.

**Functions added and modified by upgrading the firmware version from 1.19 to 1.20.**

- The following have been made possible by adding the PON configuration settings to the Test Setup screen:
  - Pass/Fail evaluation by the number of branches in splitter.
  - Collective setting of the splitter detection threshold values by the number of branches in the Analysis Setup screen.
  - Viewing the number of branches in splitter in the event table
- When automatically measured by Fiber Visualizer, pulse width can be changed automatically.

Events can be detected more accurately by composing the events detected by each pulse width. When this function is not used, select Standard for Auto Test Mode in Preferences (2-2) on the Setup screen.
- Multiple SOR files can be output as a single PDF file.
- When selecting With Setups for loading SOR file(s), the header information in the SOR file(s) can be set in the Header screen.
- The screen can be captured by pressing ⑦ key during measurement.

The captured image is saved in the root folder in the built-in memory (Internal Memory) with the following name.

YYYYMMDD@HHMMSS.PNG Y:Year, M:Month, D:Day, H:Hour, M:Minitus, S:Second
- Improved so that ORL is calculated even for a short fiber.

**Function added and modified by upgrading the firmware version from 1.18 to 1.19.**

- OTDR (Standard) can provide bi-directional analysis. The bi-directional analysis enables us to obtain more accurate event loss values by using two traces measured bi-directionally.  
When executing Bi-Directional Analysis after loading two SOR files, the overlay traces are reversed to allow the bi-directional analysis. The analyzed results can be saved as CSV files by pressing the 3 Key.
- PDF reports can be created from multiple SOR files collectively in one operation. A PDF report to be output can be changed by Result Source on the OTDR Report setup screen.
  - Current Results Only:  
Create a PDF report from SOR files currently loaded.
  - Results in Folder:  
Create PDF reports respectively from the SOR files in the specified folder (100 files at maximum).
- Fiber Visualizer can output multiple VIP images in PDF report.  
The number of VIPI files that can be output is as below.
  - When Report Type is Full:  
Up to six VIPI files can be selected.
  - When Report Type is Simple:  
Up to two VIPI files can be selected. Additionally, connector names can be input.
- The events at far-end side can be removed by Auto Patch-cord Removal.
  - Launch: Removes the specified number of events from the OTDR.
  - Receive: Removes the specified number of events from the far-end side.
- When measured in multiple wavelengths, SOR files can be saved in one operation.
- The original set values will remain unchanged after upgrading the firmware. However, the set values will be reset when upgrading the firmware of Ver1.15 or older.
- The screen color can be set to "Night black" or "Outdoor white."

**Function added and modified by upgrading the firmware version from 1.17 to 1.18.**

- None.

**Function added and modified by upgrading the firmware version from 1.16 to 1.17.**

- None.

**Function added and modified by upgrading the firmware version from 1.15 to 1.16.**

- OTDR (Standard) can provide End Event for ORL Calculation function.
- PDF files can be loaded by Fiber Visualizer and VIP.  
(PDF files including Chinese or Korean fonts cannot be displayed.)
- Fiber Visualizer can provide more selections for PDF report formats.
- When selecting Current Results Only for creating a PDF file by VIP, all the results can be output in one page collectively.
- Improved the detection rate of Splice Loss event.

**Function added and modified by upgrading the firmware version from 1.14 to 1.15.**

- Improved so that the specification name (IEC 61300-3-35) is displayed in VIP profile names.

**Function added and modified by upgrading the firmware version from 1.13 to 1.14.**

- Changed the fonts of Chinese-Simplified.



**Functions added and modified by upgrading the firmware version from 1.12 to 1.13.**

- Improved so that Fiber Visualizer allows editing events as OTDR (Standard).
- Improved so that MT9083x2 allows editing the word list that can be used in the File Name dialog box.
- Changed the defaults below in VIP.
  - Probe Model: 545VIP -> G0293A
  - Tip Type: FBPT-FC -> FBET-U12M
- Changed SM PC>45 to SM UPC>45 in the VIP test profile.
- Changed the VIP report layout below.
  - Removed the individual tables of Probe Model, Tip Type, File Name, and Capture Time, and integrated them into VIP Test Information.
  - Removed Analysis Results from VIP Test Information and added a new table of Analysis Results.

**Function added and modified by upgrading the firmware version from 1.10 to 1.12.**

- None. There is no new additional function.

**Functions added and modified by upgrading the firmware version from 1.09 to 1.10.**

- Changed the default value for ORL Calculation of Fiber Visualizer to Full Trace.
- Improved so that the closest event comes into focus when performing Swap Trace in the Fiber Visualizer screen.
- Improved so that VIP results can be added to the Fiber Visualizer report.
- Improved so that OTDR and Fiber Visualizer can detect splitters and perform Pass/Fail evaluation of them.
- Improved so that Pass/Fail evaluation of marker sections A and B can be performed in the Fiber Visualizer screen.
- Improved so that Fiber Visualizer can perform Macro Bend measurement using each shortest and longest wavelength of the Measurement port 1.
- Improved so that Fiber Visualizer can switch the display item of each transmission loss and distance to event.
- Improved so that FTTA can be selected as a test mode for Fiber Visualizer.  
In the FTTA (Fiber To The Antenna) mode, optimum conditions for measuring an optical fiber to the antenna for the mobile communication system are available.
- Improved so that "\*\*\*.\*\*\*" is not displayed at Total Loss and Cum.Loss under the following measurement conditions:  
Distance Range: 10km or less, Pulse Width: 20ns or less, Resolution: Low Density or High Density (High Density if Distance Range is set to 5 km or more)
- Changed the IOR input range to the range of 1.300000 to 1.700000.
- Improved so that a file name can be entered easily by using the registered word list.
- Improved so that "\*\*\*.\*\*\*" is hardly displayed as the ORL value when measuring in FTTA mode of Fiber Visualizer at the pulse width of 3 ns.
- Changed the end point detection method in HR mode to be same as that in ER mode.
- Changed the range of serial numbers for auto save of VIP data to the range of 1 to 9999.

**Functions added and modified by upgrading the firmware version from 1.08 to 1.09.**

- Improved so that the number of fibers can be set up to 4 digits in the OTDR (Construction) screen.
- Changed so as not to display a less-than sign (<) that was added to the Reflectance and ORL values when they could not be calculated.

**Functions added and modified by upgrading the firmware version from 1.06 to 1.07.**

- Added the function of switching whether to include reflection in Far-End events when calculating the ORL.  
This function applies only to Fiber Visualizer.
- Relaxed the conditions for calculating the Loss value in case where events are close to each other.
- Improved so as to be able to select the 10ns pulse width option if 1km range is selected for automatic measurement.
- Improved so as to be able to edit the SOR file saved under certain measurement conditions, on Networks.

**Function added and modified by upgrading the firmware version from 1.05 to 1.06.**

- Added the function of displaying the Loading icon during startup of the ACCESS Master.  
The icon is displayed to indicate that the ACCESS Master is in the startup process.

**Function added and modified by upgrading the firmware version from 1.04 to 1.05.**

- Changed OTDR (Fault Locate) mode to Fiber Visualizer mode.  
Fiber Visualizer can display fault points by graphic icons and identify a fault in the fiber without using the OTDR waveform.

**Function added and modified by upgrading the firmware version from 1.03 to 1.04.**

- None. There is no new additional function and bug fix.

**Function added and modified by upgrading the firmware version from 1.01 to 1.02.**

- None. There is no new additional function and bug fix.

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**Function added and modified by upgrading the firmware version from 1.00 to 1.01.**

- None. There is no new additional function and bug fix.

## 5. Resolved Software Issues

Model Name	Description
MT9083A2/B2/C2 ACCESS Master Ver. 2.05	<ul style="list-style-type: none"><li>➤ Fixed a bug that could prevent the Fiber Visualizer from creating a PDF report.</li><li>➤ Improved the software so as to record the OTDR Report Settings screen data, which was not stored previously when powering off the ACCESS Master.</li><li>➤ Fixed a bug that could prevent the Fiber Visualizer from automatically incrementing the start number of the Base Filename when creating PDF reports.</li></ul>
MT9083A2/B2/C2 ACCESS Master Ver. 2.04	<ul style="list-style-type: none"><li>➤ Improved accuracy of connection check for the wavelength of 1300 nm.</li><li>➤ Fixed a bug that could cause an incorrectly-calculated fiber loss (dB/km) in an event table.</li></ul>
MT9083A2/B2/C2 ACCESS Master Ver. 2.03	<ul style="list-style-type: none"><li>➤ Fixed a bug where space could not be inserted before and after an item name registered in Group Name.</li><li>➤ Fixed a bug where the USB keyboard was not recognized.</li></ul>

Model Name	Description
MT9083A2/B2/C2 ACCESS Master Ver. 2.02	<ul style="list-style-type: none"> <li>➤ Fixed a bug that the application terminated while editing the events.</li> <li>➤ Fixed a bug that the completion message is not displayed fully when Erase Internal Memory has completed.</li> </ul>
MT9083A2/B2/C2 ACCESS Master Ver. 2.01	<ul style="list-style-type: none"> <li>➤ Fixed a bug that cannot use the VIP probe of Option-545 and G0293A.</li> </ul>
MT9083A2/B2/C2 ACCESS Master Ver. 2.00	<ul style="list-style-type: none"> <li>➤ Fixed a bug that caused a blue screen error when the Restore Defaults function is executed after creating a PDF report in Fiber Visualizer mode.</li> <li>➤ Improved accuracy of analyzing dB/km in OTDR measurement.</li> </ul>
MT9083A2/B2/C2 ACCESS Master Ver. 1.20	<ul style="list-style-type: none"> <li>➤ Fixed a bug that the ORL value was displayed -2147.484 when loading file(s).</li> <li>➤ Fixed a bug that a correct event was not selected when executing Swap Overlay by Fiber Visualizer while Auto Patch Code Removal (Launch) was set.</li> <li>➤ Fixed a bug that a correct shift amount was not set when setting Auto Patch Code Removal (Launch) by Fiber Visualizer.</li> <li>➤ Fixed a bug that Auto Scale setting was not kept when power was turned Off.</li> <li>➤ Fixed a bug that Event marker was kept displayed when loading invalid files by OTDR (Standard).</li> </ul>
MT9083A2/B2/C2 ACCESS Master Ver. 1.19	<ul style="list-style-type: none"> <li>➤ Fixed a bug that a file was broken occasionally when it was transferred to PC through a USB cable.</li> <li>➤ Improved accuracy of analyzing Total Loss in OTDR measurement.</li> <li>➤ Improved accuracy of detecting far-end events in OTDR measurement.</li> <li>➤ Fixed a bug that the Connection Check screen was not displayed normally when Active Fiber was detected.</li> <li>➤ Fixed a bug that Start Number on the AutoSave setup screen increased every time the measured waveform was manually saved.</li> <li>➤ Fixed a bug that the rotary control was disabled at the Save screen.</li> <li>➤ Fixed a bug that the ORL field became empty when failed to execute Auto Patch Code Removal by Fiber Visualizer.</li> <li>➤ Fixed a bug that the marker went outside the trace monitor on selecting the Start icon on the Event screen of Fiber Visualizer while Horiz Shift was minus.</li> <li>➤ Fixed a bug that the soft key did not return to the original state when an error occurred in saving PDF report.</li> <li>➤ Longer file names can be displayed in the popup menus of Drop Overlay, Reverse Overlay, and Reverse Direction.</li> <li>➤ When Auto Patch code Removal is reset to "None" by Fiber Visualizer, Horiz Shift is reset to "0" as OTDR (Standard).</li> <li>➤ Pass/Fail judgment is not applied to the Cum.Loss and Total Loss values that are represented by "****."</li> </ul>
MT9083A2/B2/C2 ACCESS Master Ver. 1.18	<ul style="list-style-type: none"> <li>➤ Fixed a bug that a PDF file made from a VIPI file in VIP mode could not be loaded occasionally.</li> </ul>

Model Name	Description
MT9083A2/B2/C2 ACCESS Master Ver. 1.17	<ul style="list-style-type: none"> <li>➤ Fixed a bug that it took a too long time until the soft keys became usable after zooming or scrolling on PDF Viewer.</li> <li>➤ Fixed a bug that keep pressing the arrow keys did not change a number when inputting a page number in PDF Viewer.</li> <li>➤ Changed the window title for inputting a page number in PDF Viewer.</li> <li>➤ Fixed a bug that a status displayed at the bottom of the PDF Viewer screen did not disappear.</li> <li>➤ Fixed a bug that a PDF file was not displayed properly when changing a screen on PDF Viewer.</li> </ul>
MT9083A2/B2/C2 ACCESS Master Ver. 1.16	<ul style="list-style-type: none"> <li>➤ Fixed a bug that the measurement could not be performed in two wavelengths when using Fiber Visualizer in multi mode unit.</li> <li>➤ Fixed a bug that the ORL calculation results varied according to the selected mode.</li> <li>➤ Fixed a bug that the specified header was not always output properly when creating a PDF file by Fiber Visualizer.</li> </ul>
MT9083A2/B2/C2 ACCESS Master Ver. 1.15	<ul style="list-style-type: none"> <li>➤ The analysis accuracy of optical fiber end face is improved when G0293A is used in VIP.</li> <li>➤ Fixed a bug that the file name start number was not incremented when Fiber Visualizer performed measurement in the conditions below. <ul style="list-style-type: none"> <li>• Wavelength (f3 key): "Macro Bend"</li> <li>• Auto Save: On</li> </ul> </li> <li>➤ Fixed a bug that the screen became blue when OTDR (Standard) was opened with Wavelength (f3 key) set to "Macro Bend" in Fiber Visualizer.</li> <li>➤ Fixed a bug that the screen became blue when the power key was pressed on the Select List File screen. (The Select List File screen opens when Load (f2 key) is pressed on the File Name dialog box of each application. The File Name dialog box opens when Enter is pressed focusing on the File Name field on the Save screen.)</li> <li>➤ Fixed a bug that the setting change of "End Event for ORL Calculation" appeared only in one waveform although Fiber Visualizer was displaying two.</li> <li>➤ When creating a PDF report without saving the file, the defaults in the File Name field for the report became as below. <ul style="list-style-type: none"> <li>• Fiber Visualizer:     otdr*NUM*</li> <li>• VIP:                     vip*NUM*</li> </ul> </li> <li>➤ Fixed a bug that the screen became blue when opening Fiber Visualizer after the SOR file was loaded on Top Menu.</li> <li>➤ Fixed a bug that the buttons were disabled when loading the SOR file saved at real-time measurement by Load Primary (f1 Key) or Load Overlay (f2 Key) selecting "With Setup" on the Load screen.</li> </ul>
MT9083A2/B2/C2 ACCESS Master Ver. 1.14	<ul style="list-style-type: none"> <li>➤ Fixed a bug that Template(f4) was not displayed in the layer in which "Add Event" is assigned to f1 key in OTDR(Standard) mode.</li> <li>➤ Fixed a bug that the characters in PDF report were not output correctly in some languages such as Chinese-Traditional.</li> </ul>

Model Name	Description
MT9083A2/B2/C2 ACCESS Master Ver. 1.13	<ul style="list-style-type: none"> <li>➤ Fixed a bug that the screen becomes blue after removing and inserting the AC adapter when turned on.</li> <li>➤ Fixed a bug that the screen froze when selecting Results in Folder on the VIP Report Settings screen and making a report including many vipi files.</li> <li>➤ Fixed a bug that the screen became blue when the waveform was analyzed after real-time measurement by Fiber Visualizer.</li> <li>➤ Fixed a bug that the page number in the File Name dialog box becomes "0" when the defaults are restored after the word file without group registration is loaded.</li> <li>➤ Fixed a bug that a tip type is incorrect when the vipi file saved in MT9083x2 is loaded by uOTDR.</li> </ul>
MT9083A2/B2/C2 ACCESS Master Ver. 1.12	<ul style="list-style-type: none"> <li>➤ Fixed a bug that the screen became blue when saving the threshold file of Fiber Visualizer.</li> <li>➤ Fixed a bug that the Save Threshold screen closed when pressing Keyboard(f1) on the threshold file name input screen of Fiber Visualizer.</li> <li>➤ Fixed a bug that one argument was missing in the remote command SENSE:ANALyze:PARAmeters.</li> <li>➤ Fixed a bug that the screen became blue when starting or quitting the software.</li> <li>➤ Fixed a bug that an extension of a file name was not set properly in the VIP saving screen.</li> <li>➤ Fixed a bug that the dead-zone value was not maintained in Fiber Visualizer.</li> <li>➤ Fixed a bug that caused a blue screen error when a PNG file was opened from the Top Menu screen immediately after turning on the power.</li> </ul>
MT9083A2/B2/C2 ACCESS Master Ver. 1.10	<ul style="list-style-type: none"> <li>➤ Fixed a bug that did not include the unit of ORL values in the Fiber Visualizer report.</li> <li>➤ Fixed a bug that changed the position of markers A and B when performing Swap Overlay in the Fiber Visualizer screen.</li> <li>➤ Fixed a bug that changed the font color of the word "Wavelength" to black at the test results in the Fiber Visualizer screen when the result of Pass/Fail evaluation was Pass.</li> <li>➤ Fixed a bug that did not save one of two measured wavelengths when AutoSave was set to "Verify".</li> <li>➤ Fixed a bug that saved an SOR file with the same file name as that for Construction measurement when saving it after switching the mode of OTDR from Construction to Fiber Visualizer.</li> <li>➤ Fixed a bug that could not always display a correct event waveform in the bottom right of the Fiber Visualizer screen.</li> <li>➤ Fixed a bug that reported the 1st wavelength with the full trace and the 2nd wavelength with the zoom display when measuring two wavelengths with Fiber Visualizer.</li> <li>➤ Fixed a bug that did not disable f1 to f6 keys when entering the Start Number in the VIP AutoSettings screen.</li> <li>➤ Fixed a bug that displayed nothing in the filename field of the VIP report when the filename was too long.</li> </ul>



Model Name	Description
MT9083A2/B2/C2 ACCESS Master Ver. 1.09	➤ Fixed a bug that could not display an image normally when loading a vipi file.
MT9083A2/B2/C2 ACCESS Master Ver. 1.08	➤ Fixed a bug that displayed the fiber type as "SM" when performing a measurement using the multimode wavelength in the Fiber Visualizer screen. ➤ Fixed a bug that could not detect a Macro Bent event even if the threshold values were changed after measurement.
MT9083A2/B2/C2 ACCESS Master Ver. 1.07	➤ None.
MT9083A2/B2/C2 ACCESS Master Ver. 1.06	➤ Fixed a bug that could not reset the wavelength setting to the factory default with the Restore Default button. ➤ Fixed a bug that caused detection of a Macro Bend event when the threshold was changed after performing the dual-wavelength measurement by using Fiber Visualizer.
MT9083A2/B2/C2 ACCESS Master Ver. 1.05	➤ Fixed a bug of not showing the Loss Mode change when executing TRACE:LOAD:SOR?. ➤ Fixed a bug that the data cannot be saved in the SOR file under certain conditions. ➤ Fixed the bug that the instrument does not start normally when OTDR(Standard) is selected for Auto Launch. ➤ Fixed the bug that the key operation is disabled on the power meter screen.
MT9083A2/B2/C2 ACCESS Master Ver. 1.04	➤ None.
MT9083A2/B2/C2 ACCESS Master Ver. 1.03	➤ Fixed bug causing to cannot save the Loss Mode if Verify is selected under the Auto save condition.
MT9083A2/B2/C2 ACCESS Master Ver. 1.02	➤ None.
MT9083A2/B2/C2 ACCESS Master Ver. 1.01	➤ None.

## 6. Known Problems

Firmware version 2.05 for the MT9083A2/B2/C2 contains the following known problems:

Model Name	Description
MT9083A2/B2/C2 ACCESS Master	➤ None

## 7. Cautions

Read the following terms and conditions carefully before using the MT9083A2/B2/C2.

Model Name	Description
MT9083A2/B2/C2 ACCESS Master	<ul style="list-style-type: none"> <li>➤ Some commercially available USB memory may not be supported. Refer to Section 8. Upgrade Precautions for details of USB memory supported by Anritsu.</li> <li>➤ BEFORE upgrading the firmware, ALWAYS read the MT9083x2 ACCESS Master Firmware Upgrade Procedure and the MT9083 Series Operation Manual.</li> </ul>

List of verified compatible USB device.

USB Ethernet Converter	
Planex	UE-100TX-G3
BUFFALO	LUA3-U2-ATX
USB Wi-Fi dongle	
BUFFALO	WLI-UC-GNM
I-O DATA	WN-G300U
Logitec	LAN-W150N/U2
	LAN-W300N/U2
Sitecom	WL-329
	WL-345
	WLA-4000
USB Bluetooth dongle	
BUFFALO	BSHSBD04BK
	BSHSBD05BK
	BSHSBD08BK
IOGEAR	GBU421
Logitec	LBT-UAN01C1
Planex	BT-Micro3H2X
	BT-MicroEDR1X
Sanwa Supply	MM-BTUD27
Targus	ACB20EU
Technika	NBA111

## 8. Upgrade Precautions

Download the latest firmware from here:

➤ <http://www.anritsu.com/en-us/products-solutions/products/mt9083a2.aspx>

- Anritsu has confirmed compatibility with USB memory from the makers listed in the following table. If your USB memory is not recognized by the MT9083A2/B2/C2, please purchase one of the supported media types.

Manufacturer	Model / Capacity
Biocryptodisk	ISPX/4GB
BUFFALO	RUF2-E1G-B / 1GB
	RUF2-J4GS-BK / 4GB
	RUF3-C16G-GR / 16GB
ELECOM	MF-SU204GBK / 4GB
I-O DATA	ToteBag / 1GB
	ToteBag / 4GB
	TB-OC4G/B / 4GB
Kingston	DataTraveler / 16GB
SiliconPower	LUXMINI / 2GB
	TOUCH 810 / 8GB
Sony	POCKET BIT / 512MB Turbo
	POCKET BIT / 8GB
Transcend	JetFlash / 256MB
TOSHIBA	TransMemory / 8GB

- NEVER remove the USB memory inserted into the MT9083A2/B2/C2 while updating, otherwise the firmware update will fail, leaving the MT9083A2/B2/C2 unable to restart.
- When updating the firmware, do not press any key on the MT9083A2/B2/C2, otherwise the firmware update may fail, leaving the MT9083A2/B2/C2 unable to restart.
- When updating the firmware, do not turn off the power to the MT9083A2/B2/C2, otherwise the firmware update will fail, leaving the MT9083A2/B2/C2 unable to restart.
- When updating the firmware, do not remove the AC adapter plug from the MT9083A2/B2/-C2, otherwise the firmware update may fail, leaving the MT9083A2/B2/C2 unable to restart.

If the firmware update fails and the MT9083A2/B2/C2 cannot restart, please contact an Anritsu Service and Sales office.