

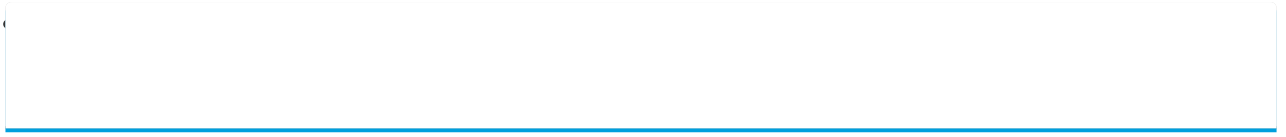
TOSHIBA

Toshiba BMS-IFBN1280U-E Installation Manual

Central control device for commercial use bn interface

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BN interface

Model name:

BMS-IFBN1280U-E

BMS-IFBN1280U-TR

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Installation Manual

Central Control Device

For commercial use

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[Recording Equipment Toshiba BMS-IFBN1280U-E Installation Manual](#)

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[Recording Equipment Toshiba Black Pear Installation And User Manual](#)

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[Recording Equipment Toshiba TCS-NET Setting Tool Manual](#)

Tcs-net general purpose interface (12 pages)

[Recording Equipment Toshiba TCS-NET Service Manual](#)

General purpose interface (38 pages)

Summary of Contents for Toshiba BMS-IFBN1280U-E

[Page 1](#) Installation Manual Central Control Device For commercial use BN interface Model name: BMS-IFBN1280U-E BMS-IFBN1280U-TR Multilingual installation manual, license agreement and license information [Български] Изтегляне на Ръководство за монтаж, Лицензионно споразумение и Лицензна информация / [Česky] Stažení Montážní příručky, Licenční smlouvy a Licenčních informací...

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BN interface Installation Manual “AEEE Yönetmeligine Uygundur.” Contents Precautions for safety 2 Introduction.

[Page 3: Precautions For Safety](#)

BN interface Installation Manual Precautions for safety The following instructions must be observed.

- Carefully read these "Precautions for Safety" before installation, and perform installation work safely.
- These precautions contain important information regarding safety.
- After installation work, carry out an operation trial to confirm that there are no problems, and explain to the customer how to operate and maintain the system.

[Page 4: Introduction](#)

BN interface Installation Manual Introduction □ Overview The BN interface refers to equipment used for controlling Building Management Systems (Procured locally) and air conditioners "TU2C-LINK Uh Line (hereinafter, referred to as Uh Line) compatible models" through communications via a network to enable central control.

[Page 5](#) BN interface Installation Manual (Power adapter) REQUIREMENT Power cable is not supplied for the BN Interface. Insert a two core power cord applicable to the standard of the country you use. □ Component Names Name Function 5V DCIN Connect the power adapter (For service) Ethernet (LAN) Connect to the Building Management System...

[Page 6: Installation](#)

BN interface Installation Manual Installation REQUIREMENT Do not install the unit in any of the following places.

- Humid or wet place
- Dusty place
- Place exposed to direct sunlight
- Place where there is a TV set or radio within one meter
- ...

[Page 7](#) BN interface Installation Manual □ Installation Space and Maintenance Space A side space for connecting through cable inlets and an upper space for maintenance must be reserved before installation. The other sides can be adjacent to surrounding objects.

[Page 8: Power And Signal Line Connections](#)

BN interface Installation Manual Power and signal line connections □ Cables Use the following cable for signal line connections. (Procured locally) Line Description Type 2-core shielded wires For Uh Line Wire size Refer to "Design of Control Wiring" (P.10 to P.13) Length LAN cable (higher than Category 5, UTP) Type...

[Page 9](#) BN interface Installation Manual □ Example of System Wiring Connections BN interface Building Management System Power adapter Power Supply Uh Line main bus Outdoor unit Outdoor unit Indoor unit Remote Indoor unit Remote controller controller...

[Page 10](#) BN interface Installation Manual Termination resistance setting • TU2C-LINK / TCC-LINK termination resistance setting<For TCC-LINK> Leave just 1 line of the termination resistance in the interface board of the outdoor unit (centre unit) ON, and turn all the others OFF. (Refer to the wiring diagram attached to the outdoor unit for the position of SW.) <For TU2C-LINK>...

[Page 11](#) BN interface Installation Manual □ Design of Control Wiring Communication method and model name The TU2C-LINK model (U series) can be used together with previous models (other than U series). For details of the model and communication method, see the following table. Communication method TU2C-LINK (U series) TCC-LINK (other than U series)

[Page 12](#) BN interface Installation Manual When the connected outdoor unit is Super Multi u series (U series) Follow the wiring specifications in the table below even when there is a mix of U series and non-U series in the connected indoor units or remote controllers.

[Page 13](#) BN interface Installation Manual When the connected outdoor units are other than Super Multi u series (U series) Wiring specifications Communication line Item Control wiring between indoor and outdoor units and central control wiring 1.25 mm (up to 1000 m) Wire diameter 2.0 mm (up to 2000 m)

[Page 14](#) BN interface Installation Manual When connecting to a previous model light commercial, air to air heat exchanger, air to water heat pump, or general purpose equipment control interface Follow the wiring specifications in the table below even when there is a mix of U series and non-U series in the connected indoor units or remote controllers.

[Page 15: Settings](#)

BN interface Installation Manual Settings 3-1. Switch setting SW300 Not used SW301 Test switch Set all bits to "OFF". SW302 Test button Not used during normal operation. SW100 Uh Line termination resistance setting switch Refer to "Termination resistance setting" (P.9) SW700 Shutdown function / air-conditioning search mode function button Use this button to stop BACnet process and network process of the BN interface or to start up in the air-conditioning...

[Page 16: Led](#)

BN interface Installation Manual 3-2. LED LED color POWER Power indicator LINK(Uh) Orange Uh Line communication status indicator ERROR Uh Line communication error indicator Green Communication status indicator in the BN interface Green BACnet communication status indicator BACnet communication status indicator, setting error indicator Factory default settings Item Factory default setting...

[Page 17: Test Run](#)

BN interface Installation Manual Test run To perform test run of the BN interface, BACnet communication settings and the equipment data of the connected indoor units are required. Items to be set during trial run Equipment Item Setting method Use the DIP switch on the outdoor Outdoor unit Uh Line address Line address...

[Page 18: Setting Up Equipment Data In The Indoor Unit](#)

BN interface Installation Manual 5-2. Setting up equipment data in the indoor unit Obtain the equipment data of the indoor unit that is controlled by the BN interface from the indoor unit via the Uh Line communication cable. Preparing to set up equipment data in the indoor unit •...

[Page 19](#) BN interface Installation Manual...

[Page 20](#) Klimanıza ilişkin daha ayrıntılı bilgiler için ürün tanıtım broşürlerine, gerektiğinde Alarko Carrier Yetkili Satıcı ve Servislerine ulaşabilmek için 444 0 128 numaralı Müşteri Danışma Hattımıza başvurabilirsiniz. DEC0209101-1...

This manual is also suitable for:

[Bms-ifbn1280u-tr](#)