

**TDS20065 – TDS20065MX**

**Universal HVAC Master on LAN**

The TDS20065 is suited to control specifically VRV/VRF units. Depending on the brand and the specific unit(s), the interface TDS20065 can be configured to integrate up to 32 indoor units (depending on the integrated HVAC type). The TDS20065MX can control even up to 64 indoor units.

The TDS20065 / TDS20065MX is supplied with a TDS15200 Airco Software license. See the list of the supported HVAC models in this datasheet. If your HVAC units are not listed, please contact your TELETASK supplier.

Remark: An additional adapter TDS20066 is required for Fujitsu (General).

**APPLICATION**

Interface for control of VRV/VRF HVAC and heat pump systems. TDS20065 for up to 32 units and TDS20065MX for up to 64 units.

**CHARACTERISTICS**

**Supported brands**

- Aermec
- Airwell
- Air Con
- AlpicAir
- Arcelik
- Atlantic
- AUX
- Bosch
- Blue Star
- Bryant
- Carrier
- Comfort
- Cooper&Hunter
- CIAC
- Clivet
- Chigo (CG)
- Daikin (DK)
- Dantex
- Electra
- Ecox
- Energolux
- Fujitsu (General) (FJ) \*
- Fujitherma
- Gree (GR)\*\*
- Haier (HR)
- Hitachi (HT)
- Hisense
- IGC
- Intensity (MD)
- Innovair
- Intensity
- JCI
- Sanys
- Sharp
- Star
- SystemAir
- Tadiran
- Toshiba (TO)
- Tosot
- Trane (TR)
- Tica
- Kentatsu (KT)
- Lennox
- Lessar
- LG (LG)
- Maxxa
- Midea (MD)
- Mitsubishi Electric (ME)
- Mitsubishi Heavy (MH)
- NED
- Panasonic (PN)
- Pioneer
- Rheem
- Samsung (SM)
- Sanyo (SA)
- Voltas
- York (YK)
- Yanmar

\*An additional adapter TDS20066 is required for Fujitsu (General).

\*\* For a GREE VRF system, ask the (free of charge only when ordered together with the TDS20065/TDS20065MX) GREE GVM5/6 adapter.

**Functionalities**

Supported functionalities (Depends on HVAC system):

- Set temperature
- Measured room temperature
- 5 Modes: Auto,Heat,Cool,Dry,Vent
- Adjustable speed (Auto, Low, Medium, High)

**Display**

Colour LCD with touch screen for system settings.

**SETTINGS**

**General configuration**

Via PROSOFT 3.6.22 or higher.

**Network configuration**

Via display.

**DIP switches inside**

See quick installation guide on [professional.teletask.be](http://professional.teletask.be).

**INSTALLATION**

**DIN-rail mounting**

9 modules wide

**HVAC brand specific Remote Controller (the wall control panel).**

For service reasons it is recommended and sometimes obliged also to install the brand specific remote controller panel(s) (hidden). This allows the HVAC technician to service his system in the usual way without the need of TELETASK system knowhow.

**CONNECTIONS**

**HVAC System bus**

See connection diagram & Quick Installation Guide.

**Power supply**

9-24VDC 350mA max.

2 screw terminals.

A universal power adaptor 110/240V 50/60Hz 12V/350mA is supplied with the unit.

**LAN**

Ethernet connection. Must be the same LAN as the TELETASK Central Unit LAN.

**POWER CONSUMPTION**

Max. 200mA + optional 150mA for TDS20066 (for Fujitsu only).

**DIMENSIONS**

156 W x 90 H x 36 D (mm)

**NET | GROSS WEIGHT**

0,270 kg | 0,580 kg

**PACKAGING CONTENT**

TDS20065/TDS20065MX interface

Universal power adaptor

**ENVIRONMENTAL CONDITIONS**

**Storage (with no condensation or icing)**

Temperature: -20°C to +65°C max.

Relative humidity: 5% to 85% max.

**Operation (with no condensation or icing)**

Temperature: 0°C to +50°C max.

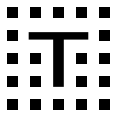
Relative humidity: 5% to 80% max.

**IP PROTECTION RATE**

IP20

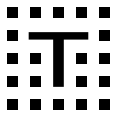
**LIMITED WARRANTY**

2 years

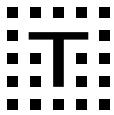


**DEVICE COMPATIBILITY LIST:**

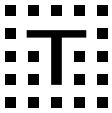
<b>Blue Star</b>	Series VRF V Plus DVRF	
<b>Chigo</b>	Series CMV-C            CMV-X            CMV-R CMV-II            CMV-I            CMV-mini  Outdoor VRF Unit Types CMV-V            CMV-D	Indoor VRF Unit Types CMV-Q            CMV-Q1            CMV-Q2 CMV-Q4            CMV-TA            CMV-TB CMV-TH            CMV-TF            CMV-G CMV-LD
<b>Daikin</b>	VRV Outdoors RXYQ-M/P (VRV II,VRV III) RXYQ (VRV-IV) RQYQ-P, RQCEQ (RQEQ), RYYQ-T (RYMQ), (VRV4) RQZQ-ABYN            RXYK (VRV) RXYSQ-M/P (VRV Small)    RXYSCQ RHXY            RHXYQ RXY-M RWEYQ            REYQ (REMQ), REYHQ            REAQ RXYCQ-A            RQQ RXYQ-T            RXTQ RPZQ            RZYQ-PY VRV 5 S-series: RXYSA  Split / Multi Split / SkyAir Outdoors RXN (RKN)            RXS RXG            2MX, 3MX, 4MX, 5MX RMX,            RZQ (RZR) RQ            RXM60M9  *Split, Multi Split and Sky Air systems will also be compatible when using D3 Net interfaces (KRP928 or DTA112)	Indoor Unit Types VRV Indoors FJEKP            FXCQ            FXNQ FXLQ            FXFQ            FXKQ FXZQ            FXDQ            FXDYQ FXSQ            FXAQ            FXUQ FXMQ            FXHQ            FXTQ FQDP            FQRP            FQSP FZFP            FZSP            VKM FXDp            FDYQN            FXFA-A  Split / Multi Split / SkyAir indoors* FTX            FDX            CDX CTX            FVX            FFQ FAQ            FBQ            FCQ FHQ            FTQ            FDQ FNQ-A
<b>Fujitsu (General)</b>	Outdoor Unit Types AJ  Please note that the TDS20065 interface is compatible only with V2 and up series and J2 series of VRF systems). For non VRF units, the control is possible through UTY-VGGX converter (if applicable for the air conditioning unit). USB adaptor is also a must. It is not supplied with the kit and must be purchased locally.	Indoor Unit Types VRF Indoors AB_MCERA            AB_MEERA            AC_MCERA AC_MFERA            AD_MLERA            AD_MMERA AD_MHERA            AS_MCERA
<b>Gree</b>	Outdoor Unit Types GMVL-R_W/Na-K/M            GMVL-R_W/H-K/M GMVL-R_W/B-K/M            GMVL-R_W/A-D GMVL-R_W/AS-F            GMVL-R_W/AS-H	Indoor Unit Types VRF Indoors AB_MCERA            AB_MEERA            AC_MCERA AC_MFERA            AD_MLERA            AD_MMERA AD_MHERA            AS_MCERA
<b>Haier</b>	Outdoor Unit Types VRF Outdoors AV_NMVERA  Series MRV-2            MRV-3    MRV-4MRV-4-C	Indoor Unit Types VRF Indoors AB_MCERA            AB_MEERA            AC_MCERA AC_MFERA            AD_MLERA            AD_MMERA AD_MHERA            AS_MCERA



<p><b>Hitachi</b></p>	<p><u>Outdoor Unit Types</u> RAS-FSN      RAS-FSXN      RAS-FXNE</p> <p>Multi, Split and SkyAir systems will also be compatible when using H link adapter (PSC-6RAD)</p>	<p><u>Indoor Unit Types</u> RCI    RPC      RPF RCD    RPK      RPI RPF</p>
<p><b>Intensify</b></p>	<p><u>Outdoor VRF Unit Types</u> MDV-W/DDN1    MDV-W/D2DN1 MDV-VW/DVN1</p>	<p><u>Indoor VRF Unit Types</u> MDV-G/N1-S    MDV-G-R3/QN1Y MDV-Q1/N1-C    MDV-Q4/N1-D MDV-DL/N1-C    MDV-T2/VN1-BA5 MDV-T1/VN1-B</p>
<p><b>Kentatsu</b></p>	<p><u>Series</u> DX PRO 3</p> <p><u>Outdoor Unit Types</u> KTRX    KTRY KTRZ    KURY KURZ    KTRZ</p>	<p><u>Indoor Unit Types</u> KTTY    KTHX KTGY    KTGZ    KTTY KTZX    KTVY    KTTY KTLZ    KTKX    KTTX</p>
<p><b>LG</b></p>	<p><u>Outdoor Unit Types</u> ARUB-LT    ARU      ARUN-LT ARUN-GS    ARUN-LR    ARUN-BTE ARUV-LT    ARWB-BAS    ARWN-BAS</p>	<p><u>Indoor Unit Types</u> ARNU-GB1G    ARNU-GCEA    ARNU-GSEL ARNU-GSBL    ARNU-GSER    ARNU-GSF ARNU-GTEC    ARNU-GTJC    ARNU-GB1G ARNU-GBHA    ARNU-GCFA    ARNU-GCFU ARNU-GBGA    ARNU-GTMC    ARNU-GBRA ARNU-SCR    ARNU-NJA    ARNU-NKA ARN      ARNBG      ARNL ARNTP    ARNTM</p>
<p><b>Midea</b></p>	<p><u>Series</u> V4 Plus    V4 Plus S      V4 Plus K</p> <p><u>VRF Outdoor Unit Types</u> MDV-V    MDV-W      MDVC-W MV5</p>	<p><u>VRF Indoor Unit Types</u> MDV-D-Q1    MDV-D-Q2    MDV-D-Q4 MDV-D-Q4-A    MDV-D-T1    MDV-D-T2 MDV-D-T3    MDV-D-G    NDV-D-DL MDV-D-Z</p>
<p><b>Mitsubishi Electric</b></p>	<p><u>Series</u> CITY MULTI</p> <p><u>Outdoor Unit Types</u></p> <p><u>VRF Outdoors</u> PUHY    PURY      PQHY PQRY    PUMY</p> <p><u>Split / Multi Split outdoors</u> PUHZ</p>	<p><u>Indoor Unit Types</u></p> <p><u>VRF Indoors</u> PKFY    PFFY-PVKM    PLFY-P-VCM PEFY-P-VMS1    PFFY-P-VLRM    PCFY-P-VGM PLFY-P-VLMD    PEFY-P-VMM    PFFY-P-VLEM PLFY-P-VBM    PMFY-P-VBM    PEFY-P-VMH PEFY-P-VMA    PEFYP100VMA-EPVIFY-P PEFY-P-VMA-E    PEFY-P63VMA(L)-E</p> <p><u>Split / Multi Split indoors</u> PEAD    SEZ-KD</p>
<p><b>Panasonic</b></p>	<p><u>Outdoor Unit Types</u> PACi split:      ECOi VRF: U-...PE...      U-...LE... U-...PZ...      U-...ME...                          U-...MF...</p> <p>*Residential units also compatible:</p>	<p><u>Indoor Unit Types</u></p> <p>S-...P(M)K...    S-...P(M)T...    S-...MK... S-...P(M)Y...    S-...PE...      S-...MM... S-...PN...      S-...MP...      S-...MD... S-...P(M)F...    S-...MR...      S-...ML... S-...P(M)U...    S-...MG...      S-...ME...</p>

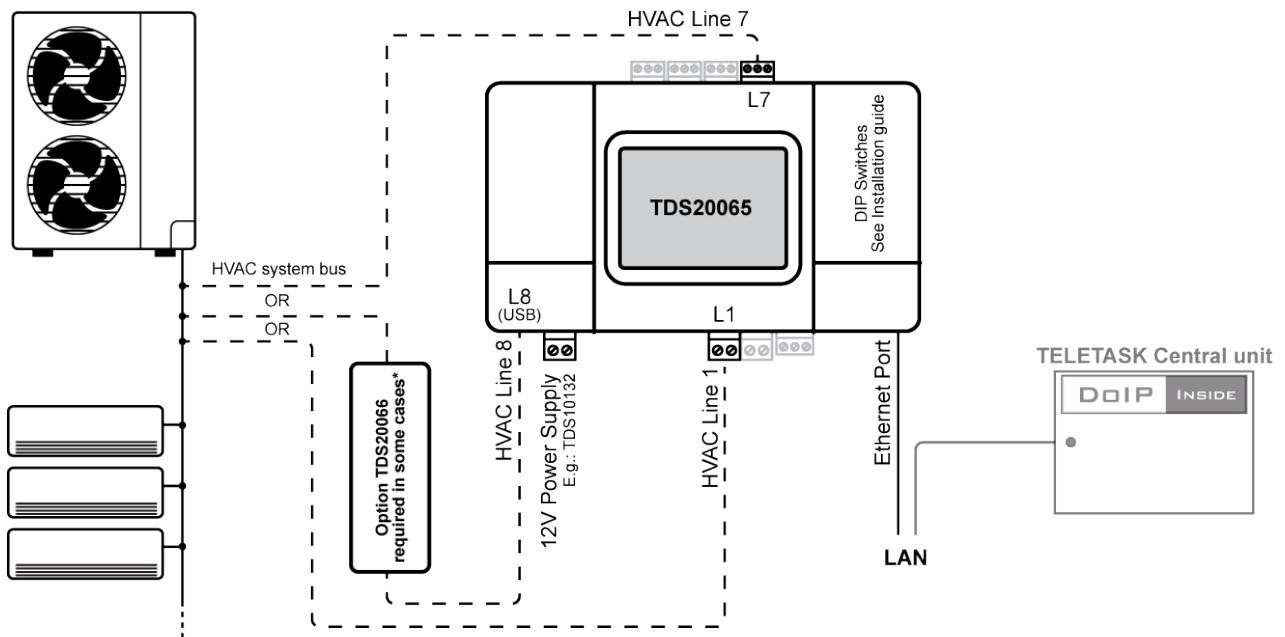


	It's necessary to have CZ-CAPRA1 interface between P-Link and RAC protocol to cover basic operating items.	
<b>Sanyo</b>	<u>Outdoor VRF</u> MFL EFL SPW_CO SPW-C SPW-CR SGP-EZ SGP-EW	<u>Indoor VRF</u> NWFL                      SPW-KR                      SPWFMR NPFL                      SPW-U                      SPW-FR NDSL P                      SNDHP                      SPW-UMR NFFL                      NPFL NK2FL                      NKFL SPW-X                      NDLP SPW-ADR                      NFMFL SPW-LDR                      SPW-XM SPW-K                      SPW-SR SPW-FTR                      SPW-FUR
<b>Toshiba</b>	<u>Outdoor VRF</u> MCY-MAP..HT MCY-MHP..E MMY-MAP..T8 MMY-MAP..HT8 MMY-MAP..FT8	<u>Indoor VRF</u> MMU-AP..H                      MMD-AP..HFE                      MMD-AP..H MMK-AP..E                      MMU-AP..MH                      MMK-AP..H MML-AP..E                      MMD-AP..BH                      MMF-AP..H MMU-AP..YH                      MMC-AP..H MMD-AP..SPH                      MML-AP..BH MML-AP..H                      MMU-AP..WH
<b>Samsung</b>	Series DVM S  <u>Outdoor Unit Types</u> AM040KXMDEH/EU AM072FXVAFH/AA                      AM096FXVAFH/AA AM120FXVAFH/AA                      AM144FXVAFH/AA AM168FXVAFH/AA                      AM192FXVAFH/AA AM216XVAFH/AA                      AM240FXVAFH/AA AM264FXVAFH/AA                      AM288FXVAFH/AA AM312FXVAFH/AA                      AM336FXVAFH/AA AM360FXVAFH/AA                      AM348FXVAFH/AA AM408FXVAFH/AA                      AM432FXVAFH/AA AM072FXVAFR/AA                      AM096FXVAFR/AA AM120FXVAFR/AA                      AM144FXVAFR/AA AM168FXVAFR/AA                      AM192FXVAFR/AA AM216XVAFR/AA                      AM240FXVAFR/AA AM264FXVAFR/AA                      AM288FXVAFR/AA AM312FXVAFR/AA                      AM336FXVAFR/AA AM360FXVAFR/AA                      AM348FXVAFR/AA AM408FXVAFR/AA                      AM432FXVAFR/AA AM072FXVAJH/AA                      AM096FXVAJH/AA AM120FXVAJH/AA                      AM144FXVAJH/AA AM168FXVAJH/AA                      AM192FXVAJH/AA AM216XVAJH/AA                      AM240FXVAJH/AA AM264FXVAJH/AA                      AM288FXVAJH/AA AM312FXVAJH/AA                      AM336FXVAJH/AA AM360FXVAJH/AA                      AM348FXVAJH/AA AM408FXVAJH/AA                      AM432FXVAJH/AA AM072FXVAJR/AA                      AM096FXVAJR/AA AM120FXVAJR/AA                      AM144FXVAJR/AA AM168FXVAJR/AA                      AM192FXVAJR/AA AM216XVAJR/AA                      AM240FXVAJR/AA AM264FXVAJR/AA                      AM288FXVAJR/AA AM312FXVAJR/AA                      AM336FXVAJR/AA AM360FXVAJR/AA                      AM348FXVAJR/AA AM408FXVAJR/AA                      AM432FXVAJR/AA	<u>Indoor Unit Types</u> AM015TNADKH/EU AM022TNADKH/EU AM028TNADKH/EU AM036TNADKH/EU AM009FN4DCH/AA                      AM018FN4DCH/AA AM024FN4DCH/AA                      AM030FN4DCH/AA AM036FN4DCH/AA                      AM048FN4DCH/AA AM009FNNDCH/AA                      AM012FNNDCH/AA AM018FNNDCH/AA                      AM020FNNDCH/AA AM007FN1DCH/AA                      AM009FN1DCH/AA AM012FN1DCH/AA                      AM036FNHDCH/AA AM048FNHDCH/AA                      AM076FNHDCH/AA AM096FNHDCH/AA                      AM018FNMDCH/AA AM024FNMDCH/AA                      AM030FNMDCH/AA AM036FNMDCH/AA                      AM048FNMDCH/AA AM007FNLDCH/AA                      AM009FNLDCH/AA AM012FNLDCH/AA                      AM024FNLDCH/AA AM030FNLDCH/AA                      AM036FNLDCH/AA AM048FNLDCH/AA                      AM007FNTDCH/AA AM009FNTDCH/AA                      AM012FNTDCH/AA AM018FNTDCH/AA                      AM020FNTDCH/AA AM024FNTDCH/AA                      AM018FNCDC/AA AM024FNCDC/AA                      AM071FNMDEH AM090FNMDEH                      AM028FN1DEH AM071FN1DEH                      AM071FNCDEH AM015HNNDEH/EU                      AM015HNNQDEH/EU AM022FNNDEH/EU                      AM028FNNDEH/EU AM017FNLDEH/EU                      AM022FNLDEH/EU AM028FNLDEH/EU                      AM036FNLDEH/EU



	<u>AM036FXMDCH/AA</u> <u>AM048FXMDCH/AA</u> <u>AM053FXMDCH/AA</u> <u>AM080FXWANR/EU</u> <u>AM100FXWANR/EU</u> <u>AM120FXWANR/EU</u> <u>AM160FXWANR/EU</u> <u>AM180FXWANR/EU</u> <u>AM200FXWANR/EU</u> <u>AM220FXWANR/EU</u> <u>AM240FXWANR/EU</u> <u>AM260FXWANR/EU</u> <u>AM280FXWANR/EU</u> <u>AM300FXWANR/EU</u> <u>AM320FXWANR/EU</u> <u>AM340FXWANR/EU</u> <u>AM360FXWANR/EU</u> <u>AM380FXWANR/EU</u> <u>AM400FXWANR/EU</u> <u>AM420FXWANR/EU</u> <u>AM440FXWANR/EU</u> <u>AM480FXWANR/EU</u> <u>AM500FXWANR/EU</u> <u>AM520FXWANR/EU</u> <u>AM600FXWANR/EU</u> <u>AM060FXMDEH/EU</u> <u>AM040FXMDEH/EU</u> <u>AM080FXVAGH/EU</u> <u>AM240FXVAGR/EU</u> <u>AM140FXVAGR/EU</u> <u>AM180FXVAGR/EU</u>			
<b>Trane</b>	<u>Outdoor VRF</u> <u>4TVH</u> <u>4TVWH</u> <u>4TVR</u>	<u>Indoor VRF</u> <u>4TVA</u> <u>4TVH</u> <u>4TVC</u> <u>4TVW</u> <u>4TVF</u> <u>4TVB</u> <u>4TVX</u> <u>4TVG</u> <u>4TVD</u> <u>4TVE</u>		

**SCHEMATIC DRAWING**



Brand	HVAC Line #	Interface	Terminals	Polarity	Max. Indoor units	Max. Outdoor units
Daikin	L1	DIII-NET	F1 F2	none	64	10
Sanyo	L1	S-NET	U1 U2	none	64	16
Panasonic	L1		U1 U2	none	64	16
Toshiba	L1	TCC LINK	U1 U2	none	64	16
Mitsubishi Electric	L1	M-NET	M1 M2	none	50	10
Hitachi (JCI)	L1	H Link, H Link 2	1 2	none	64	10
York	L1		P Q	none	64	
Haier	L1		P Q	none	64	
LG	L7		Inter A Inter B	+ -	64	-
Gree VRF	L7		A B	+ -	16	4
Mitsubishi Heavy Industries	L7	SuperLink / New SuperLink	A B	+ -	64	10
Samsung	L7		F1 F2 / R1 R2	+ -	64	10
Midea	L7		X Y E	+ - GND	64	16
Kentatsu	L7		X Y E	+ - GND	64	16
Trane	L7		X Y E	+ - GND	64	16
Chigo	L7		X Y E	+ - GND	64	16
Fujitsu	L8 (USB)*	LON (ANSI/CEA-709.1-B)	X1 X2	none	64	10
Gree GMV5	L8 (USB)**		G1 G2		64	
Rheem	L8 (USB)*	LON (ANSI/CEA-709.1-B)	X1 X2		64	

\*TDS20066 required

\*\* Additional parts required. Contact support for more information.