

TDS20065

Universal HVAC Master on LAN

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

The TDS20065 is supplied with a TDS15200 Airco Software license. See the list of the supported HVAC models in this datasheet. If your required models 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.

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
- Sanyo
- 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).

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.

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 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.

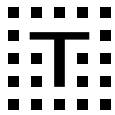
Relative humidity: 5% to 80% max.

IP PROTECTION RATE

IP20

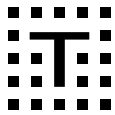
LIMITED WARRANTY

2 years

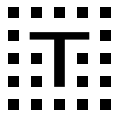


DEVICE COMPATIBILITY LIST:

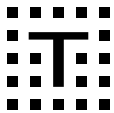
Blue Star	Series VRF V Plus DVRF	
Chigo	Series CMV-C CMV-X CMV-R CMV-II CMV-I CMV-mini Outdoor VRF Unit Types CMV-V CMV-D	Indoor VRF Unit Types CMV-Q CMV-Q1 CMV-Q2 CMV-Q4 CMV-TA CMV-TB CMV-TH CMV-TF CMV-G CMV-LD
Daikin	VRV Outdoors RXYQ-M/P (VRV II,VRV III) RXYQ (VRV-IV) RQYQ-P, RQCEQ (RQEQ), RYYQ-T (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 FNA60A
Fujitsu (General)	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
Gree	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
Haier	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>Hitachi</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 RPF1 RCD RPK RPI RPF</p>
<p>Intensity</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>Kentatsu</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 KTZY KTYT KTZX KTVY KTLY KTLZ KTKX KTTX</p>
<p>LG</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>Midea</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>Mitsubishi Electric</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>Panasonic</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>

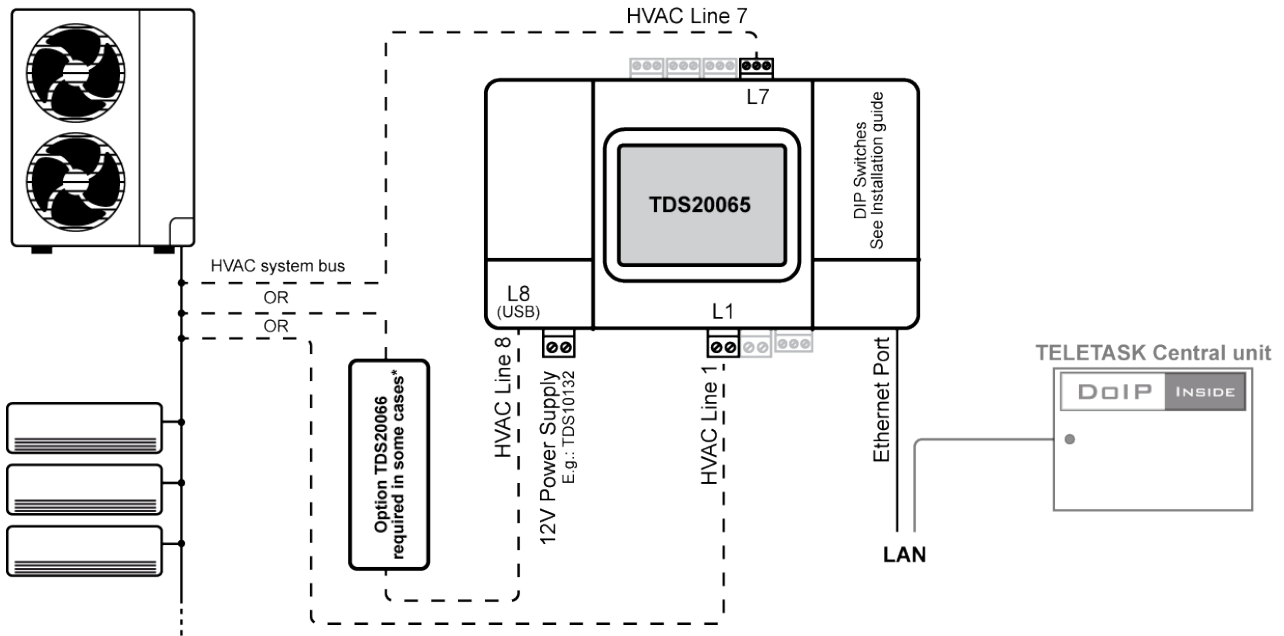


	It's necessary to have CZ-CAPRA1 interface between P-Link and RAC protocol to cover basic operating items.	
Sanyo	<u>Outdoor VRF</u> MFL EFL SPW_CO SPW-C SPW-CR SGP-EZ SGP-EW	<u>Indoor VRF</u> NWFL SPW-KR SPWFMR NPFL SPW-U SPW-FR NDSL P SNDHP SPW-UMR NFFL NPFL NK2FL NKFL SPW-X NDLP SPW-ADR NFMFL SPW-LDR SPW-XM SPW-K SPW-SR SPW-FTR SPW-FUR
Toshiba	<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
Samsung	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 AM071FNMDCH AM090FNMDCH 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>			
Trane	<u>Outdoor VRF</u> <u>4TVH</u> <u>4TVWH</u> <u>4TVR</u>	<u>Indoor VRF</u> <u>4TVA</u> 4TVH 4TVC <u>4TVW</u> 4TVF 4TVB <u>4TVX</u> 4TVG <u>4TVD</u> 4TVE		

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.