



VOIP AND ANALOG SERVER

GENERAL CHARACTERISTICS OF CT-TS-01 SYSTEM.

CT-TS-01 IS DESIGNED TO ORGANIZE MODERN MILITARY COMMUNICATION SYSTEMS IN FIELD CONDITIONS AND IS USED AS:

- A COMMUNICATION CENTRE OF MOBILE TELEPHONE COMMUNICATION NETWORK ON EITHER TACTICAL OR OPERATIONAL LEVEL;
- A PBX WITH ANALOG TELEPHONE UNITS TAKE AN AUTOMATIC CONNECTION OF 24 LINES;
- SIP V2 PROXY GATEWAY AND SIP V2 SERVER WHICH ENABLES CONNECTING BOTH SERVER AND USER SIP EQUIPMENT;
- LAN NETWORK VIA G.SHDSL MODEMS (UP TO 10 KM);
- LAN NETWORK VIA ETHERNET CABLE (UP TO 115 M);
- LAN ROUTER SUPPORTING RIP, OSFP, NAT, PAT, DHCP, DNS;
- CAN BE ADDITIONALLY EQUIPPED WITH CARDS AND SOFTWARES FOR OPERATION AS E1 DIGITAL MULTIPLEXER WITH R2, R1.5, EDSS PROTOCOLS. WHAT ENABLES THE TRANSFERS OF PHONE CALLS TO PUBLIC NETWORK;
- CAN BE ADDITIONALLY EQUIPPED WITH CARDS TO ENSURE DATA TRANSFER CHANNELS AMONG RS-232, RS-485, E3, E1, V36 SWITCHES.

CT-TS-01 CAN BE CONNECTED WITH ANY EXISTING IP NETWORK.

IN STANDARD VARIANT SOFTWARE, SERVER CONFIGURATION ADJUSTMENT IS NOT REQUIRED. EVERY CT-TS-01 UNIT HAS UNIQUE 4-DIGIT PREFIXES. MAIN CT-TS-01 PARAMETERS CAN BE CONFIGURED AND CONTROLLED BY STANDARD WEB-BROWSERS AND SNMP MANAGER V2.

CT-TS-01™



CHARACTERISTICS OF CT-TS-01 STATION.

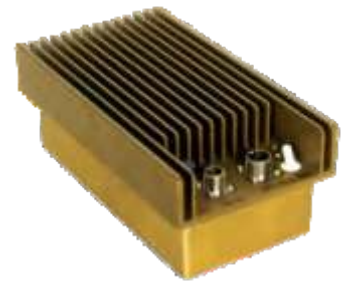


- SOFTWARE: BASED ON LINUX-CORE, PARAMETERS ARE CONFIGURED VIA WEB BROWSER OR SNMP MANAGER;
- CONNECTION: DOESN'T REQUIRE CONFIGURATION, CONNECTION IS AUTOMATIC;
- AUTOMATIC REORGANIZATION OF CONNECTION IN CASE OF LINK FAILURE;
- SIP SERVER AND SIP PROXY GATEWAY;
- VIDEOCONFERENCE ORGANIZATION;
- IP-ROUTER WITH SUPPORT OF PROTOCOLS: RIP, OSPF, NAT, PAT, DHCP, DNS STANDARDS;
- POSSIBILITY TO BUILD UP ALTERNATIVE NETWORK

- OF IP DATA TRANSFER VIA RS-232, RS-485, E3, E1, V36 CHANNELS;
- 24 ANALOG USER PORTS (FXS) TO CONNECT ANY ANALOG TELEPHONES;
- HIGH LEVEL OF EQUIPMENT RELIABILITY IN ANY RUGGED CONDITIONS;

ACCESSORIES STANDARD:

ACCESSORIES OPTIONAL:



TS-TO-TS

CABLE FOR TS-01 TO TS-01 CONNECTION.

TS-TO-ETH

CABLE FOR TS-01 TO RJ45 CONNECTION.

TS-PWR

STANDARD POWER SUPPLY. 12V 3.3A

TS-IND-BC

INDUSTRIAL WATERPROOF BATTERY AND CHARGER.

TS-IND-PWR

INDUSTRIAL WATERPROOF POWER SUPPLY.

TECHNICAL CHARACTERISTICS:

PROTOCOL SUPPORTED	STP, IP, ICMP, TCP, UDP, ARP, FTP, TFTP, DNS, HTTP, SNMP, MIB II, NAT, PAT, DHCP, VLAN (802.1q), PPPoE, SIP
FUNCTIONAL	ROUTER / BRIDGE MODE, IP-FILTERING, SMART ETHERNET SWITCH, 24 LINE PABX, SIP V2.0 GATEWAY
CONNECTIONS	5 10/100BASE-TX, 3 G.SHDSL PORTS, 24 FXO/FXS (OPTIONAL), 1 E1 (R1.5, EDSS) (OPTIONAL)
MANAGMENT	WEB, SNMP, SNMP TRAP
SPEECH CODING	G.711, ACELP 4,8, G.729AB
STATISTICS	BY EVERY ETHERNET PORT. CALLS OF PABX AND SIP GATEWAY.
DIMENSIONS	380x260x105 ~7Kg
POWER SUPPLY	11-29V AC

CT-TS-01™





VOIP VEHICULAR COMMUNICATION SYSTEM

GENERAL CHARACTERISTICS OF CT-TS-02 SYSTEM.

CT-TS-02 IS AN ALL-IN-ONE SOLUTION FOR IN-VEHICLE VOICE AND DATA COMMUNICATION AND TACTICAL NETWORK CONNECTIVITY, DEVELOPED FOR MILITARY AND HARSH MOBILE APPLICATIONS. SPECIFICALLY DESIGNED FOR BATTLEFIELD COMMUNICATION C4ISR, RUGGED NETWORKS AND COMBAT VEHICLES.

THE CT-TS-02 PROVIDES VOICE AND DATA CONNECTIVITY AMONG VEHICLE CREW MEMBERS AND GATEWAY TO EXTERNAL NETWORKS. CT-TS-02 INTEROPERATES WITH TACTICAL RADIOS AND CT-TS-01. THE CT-TS-02 PROVIDES TELEPHONE NET BETWEEN RADIO NETWORKS, INTERCOMS AND LOCAL PHONES. EACH USER HAS DIRECT PHONE NUMBER AND CAN REACH ANY USER CONNECTED TO NETWORK.

THE SYSTEM ALLOWS PERSONNEL UNFAMILIAR WITH TACTICAL OPERATION CREATE NETWORK AND GAIN ACCESS TO SERVICE.

CT-TS-02™



CHARACTERISTICS OF CT-TS-02 STATION.

CONNECTIONS:

- 4 INTERCOM SET WITH CONTROL KNOB
- TACTICAL RADIO INTERFACE
- 8 FXO (OPTIONAL)/FXS LINES WITH DTMF/PULSE SIGNALING
- FIELD PHONE LINE
- 7 NETWORK 10/100BASE-T INTERFACE WITH SWITCH AND ROUTING CAPABILITY
- 2 G.SHDSL LINE 2048 KBIT/S UP TO 10 KM
- SATCOM INTERFACE 2.4 KBIT/S
- HIGH LEVEL OF EQUIPMENT RELIABILITY IN ANY RUGGED CONDITIONS;

CHASSIS:

- LOW PROFILE RUGGED ALUMINUM EXTRUSION
- CONDUCTIVELY COOLED
- INGRESS PROTECTION AGAINST SAND, DUST AND MOISTURE
- GROUNDING LUG PROVIDED FOR CONNECTION TO SYSTEM CHASSIS GROUND
- DIMENSIONS: 300 (L) X 241(W) X 90(H) MM
- WEIGHT: 6 KG

ENVIRONMENTAL:

VIBRATION: GROUND MOBILE
 OPERATING TEMPERATURE: -40°C TO +60°C
 POWER SUPPLY: 14-27 VDC, 7W TYPICAL

OPERATIONAL

PROVIDES LINKS BETWEEN COMMUNICATION NETWORKS:

- INTERCOM TO PHONE
- INTERCOM TO INTERCOM
- INTERCOM TO RADIO
- PHONE TO INTERCOM
- PHONE TO PHONE
- FIELD PHONE TO RADIO
- IP DATA SERVICE
- SIP NETWORKS GATEWAY



TECHNICAL CHARACTERISTICS:

PROTOCOL SUPPORTED	STP, IP, ICMP, TCP, UDP, ARP, FTP, TFTP, DNS, HTTP, SNMP, MIB II, NAT, PAT, DHCP, VLAN (802.1q), PPPoE, SIP
FUNCTIONAL	ROUTER / BRIDGE MODE, IP-FILTERING, SMART ETHERNET SWITCH , 8 LINE PABX, SIP V2.0 GATEWAY
CONNECTIONS	7 10/100BASE-TX, 2 G.SHDSL PORTS, 8 FXO/FXS (OPTIONAL),
MANAGMENT	WEB, SNMP, SNMP TRAP
SPEECH CODING	G.711, ACELP 4,8, G.729AB
STATISTICS	BY EVERY ETHERNET PORT. CALLS OF PABX AND SIP GATEWAY.
DIMENSIONS	380x241x90 ~6KG
POWER SUPPLY	14-27V AC

CT-TS-02™



10KM TWO WIRE
G.SHDSL

ETHERNET
LAN ZONE

ETHERNET
LAN ZONE

10KM TWO WIRE
G.SHDSL

ETHERNET
LAN ZONE

LEG

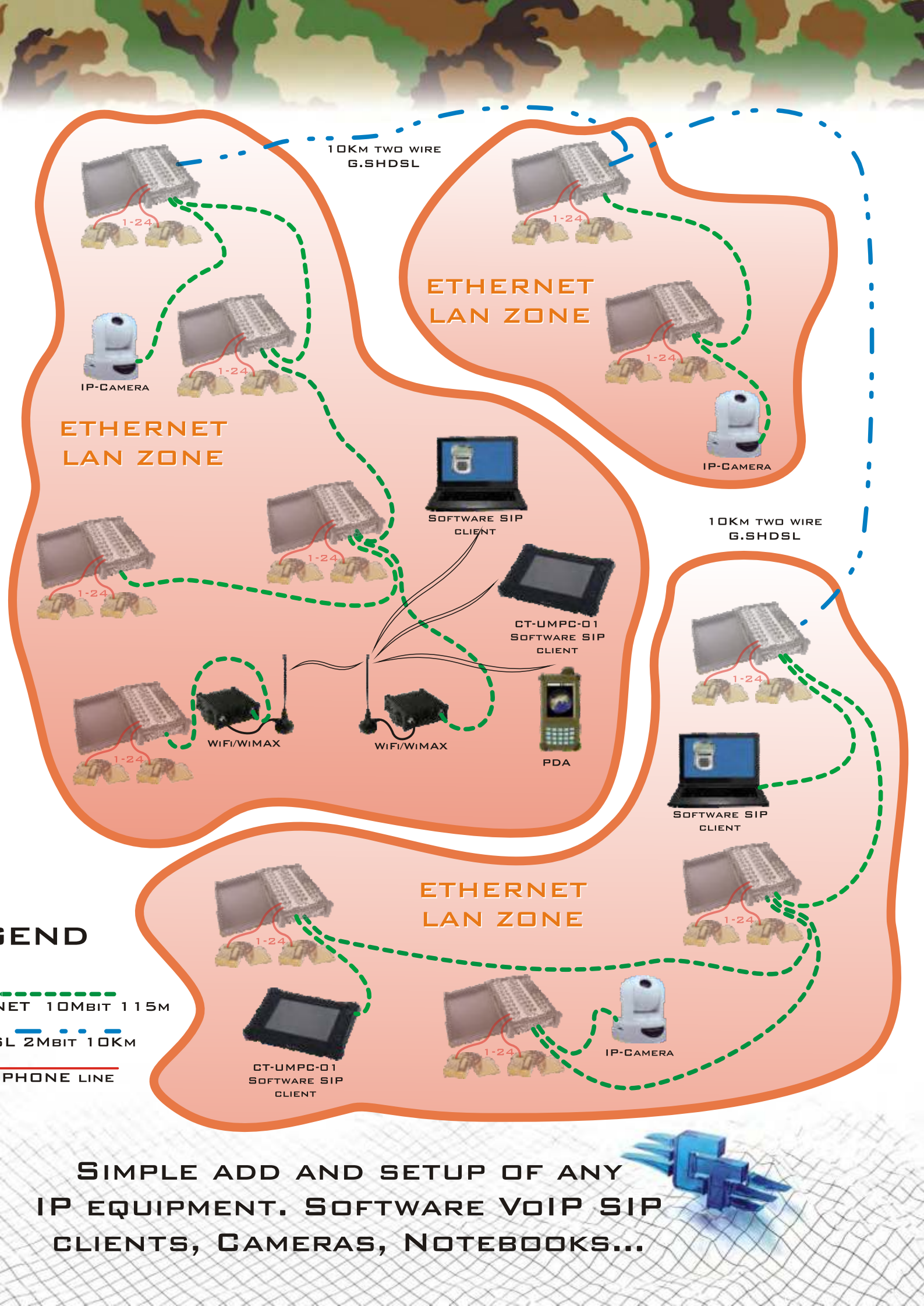
ETHERNET

G.SHDSL

2-WIRE

FULLY, 100%, AUTOMATIC
CONNECTION OF TELEPHONE NETWORK.
SYSTEM SETUP NO REQUIRED.





10KM TWO WIRE
G.SHDSL

ETHERNET
LAN ZONE

ETHERNET
LAN ZONE

IP-CAMERA

10KM TWO WIRE
G.SHDSL

SOFTWARE SIP
CLIENT

CT-UMPC-01
SOFTWARE SIP
CLIENT

WIFI/WIMAX

WIFI/WIMAX

PDA

SOFTWARE SIP
CLIENT

ETHERNET
LAN ZONE

IP-CAMERA

CT-UMPC-01
SOFTWARE SIP
CLIENT

LEGEND

ETHERNET 10MBIT 115M

G.SHDSL 2MBIT 10KM

PHONE LINE

SIMPLE ADD AND SETUP OF ANY
IP EQUIPMENT. SOFTWARE VOIP SIP
CLIENTS, CAMERAS, NOTEBOOKS...

