

Centrala hybrydowa IP-PBX

KX-TDE600

Hybrydowa centrala PBX dla średnich i dużych firm



KEY FEATURES

- W pełni hybrydowy system
- Obsługa do 1100 numerów wewnętrznych
- Ogromna stabilność systemu pozwala korzystać z niego na statkach oraz w hotelach

Urządzenie KX-TDE600 OneNet firmy Panasonic jest oparte na modelu infrastruktury zintegrowanej „Pure IP PBX”, podobnie jak urządzenia KX-TDE100 / 200 OneNet.

Jako zaawansowane sieciowe rozwiązania komunikacyjne do sieci opartych na protokole IP obsługujące komunikację sieciową oraz telefony biurkowe SIP produkty z serii KX-TDE OneNet gotowe do zastosowania w ramach infrastruktury konwergentnej obsługują wiele zaawansowanych telefonów IP oraz cyfrowych numerów wewnętrznych i magistral ISDN.

Opracowane jako środowisko aplikacji biznesowych i dostarczane z ważnymi aplikacjami do obsługi biznesowej komunikacji telefonicznej systemy KX-TDE OneNet z łatwością spełnią potrzeby związane z komunikacją na miarę XXI wieku. Przeznaczony dla średnich i dużych firm o jednej lub wielu siedzibach model TDE600 OneNet to mile widziany członek rodziny odpowiadający na potrzeby klientów.

SPECIFICATIONS

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| Total Number of Trunks (Maximum) | 640 |
| Total Number of IP Trunks (Maximum) | 64 |
| H.323 (Maximum) | 32 |
| SIP (Maximum) | 64 |
| Total Number of Legacy Trunks (Maximum) | 640 |
| BRI (Maximum) | 640 |
| PRI23 (Maximum) | 460 |
| PRI30 (Maximum) | 600 |
| T1 (Maximum) | 480 |
| E1 (Maximum) | 600 |
| Analogue (Maximum) | 640 |
| Total Number of Extensions (Maximum) | 992 (1152*1) |
| Total Number of Legacy Extensions (Maximum) | 960 (1120*1) |
| SLT (Maximum) | 960 |
| KX-DT300/KX-T7600 Series DPT (Maximum) | 640 (640*1) |
| KX-T7560/KX-T7565DPT (Maximum) | 512 |
| Other DPT (Maximum) | 512 |
| APT (Maximum) | 320 |
| Total Number of IP Extensions (Maximum) | 704 |
| IP-PT (Maximum) | 704 |
| Total Number of SIP Phone (Maximum) | 128 |
| SIP Phone (Maximum) | 128 |
| S-PS (Maximum) | No |
| DSS Console (Maximum) | 64 |
| Total Number of CS (Maximum) | 128 |
| PT-Interface CS (2-Channel) (Maximum) | 128 |
| PT-Interface CS (8-Channel) (Maximum) | 64 |
| IP-CS (Maximum) | 16 |
| SIP-CS (Maximum) | No |
| PS (Maximum) | 512 |
| Total Number of VM (Maximum) | No |
| Built-in VM (ch) (Maximum) | 66 |
| Built-in UM (ch) (Maximum) | No |
| TVM Unit (Maximum) | 8 |
| Doorphone (Maximum) | 64 |
| Door Opener (Maximum) | 64 |
| External Sensor (Maximum) | 64 |
| External Relay (Maximum) | 64 |
| Control Bus | Original bus (16-bit, 8 MHz, 10 megabytes per second) |
| Communication Bus | H.100 bus conformity (1024 time slots) |
| Switching | Distributed Switching |
| Power Input PSU-M | 100 V AC to 130 V AC; 2.5 A/200 V AC to 240 V AC; 1.4 A; 50 Hz/60 Hz |

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| Power Input PSU-L | 100 V AC to 130 V AC; 5.1 A/200 V AC to 240 V AC; 2.55 A; 50 Hz/60 Hz |
| External Battery | +36 V DC (+12 V DC x 3, recommended maximum capacity per shelf is 28 Ah) |
| Maximum Power Failure Tolerance | 300 ms (without using backup batteries) |
| Memory Backup Duration | 7 years |
| Dialling Trunk | Dial Pulse (DP) 10 pps, 20 pps Tone (DTMF) Dialling |
| Dialling Extension | Dial Pulse (DP) 10 pps, 20 pps Tone (DTMF) Dialling |
| Mode Conversion | DP-DTMF, DTMF-DP |
| Ring Frequency | 20 Hz/25 Hz (selectable) |
| Trunk Loop Limit | 1600 Ω maximum |
| Operating Environment Temperature | 0 $^{\circ}$ C to 40 $^{\circ}$ C |
| Operating Environment Humidity | 10 % to 90 % (non-condensing) |
| Conference Call Trunk (per Shelf) | From 10 x 3-party conference call to 4 x 8-party conference call |
| Music on Hold (MOH) | 2 ports (Level Control: -11 dB to +11 dB in 1 dB steps) MOH1: External Music Source port MOH2: Selectable Internal/External Music Source port |
| Internal Paging | Level Control: -15 dB to +6 dB in 3 dB steps |
| External Paging | 2 ports (Volume Control: -15 dB to +15 dB in 1 dB steps) |
| Serial Interface Port RS-232C | 1 (maximum 115.2 kbps) |
| RJ45 Port MNT Port | 1 (for PC connection) |
| RJ45 Port LAN Port | 1 (for LAN connection) |
| Extension Connection Cable SLT | 1-pair wire (T, R) |
| Extension Connection Cable DPT | 1-pair wire (D1, D2) or 2-pair wire (T, R, D1, D2) |
| Extension Connection Cable APT | 2-pair wire (T, R, D1, D2) |
| Extension Connection Cable PT-Interface CS (2-Channel) | 1-pair wire (D1, D2) |
| Extension Connection Cable PT-Interface CS (8-Channel) | 4-pair wire (D1, D2) |
| Extension Connection Cable DSS Console and Add-on Key Module | 1-pair wire (D1, D2) |
| Dimension Basic Shelf | 430 mm (W) x 415 mm (H) x 270 mm (D) |
| Weight (when Fully Mounted) Basic Shelf | Under 16 kg |
| IP Trunk KX-NCS4102 | 2-Channel IP Trunk Activation Key |
| IP Trunk KX-NCS4104 | 4-Channel IP Trunk Activation Key |
| IP Telephone KX-NCS4201 | 1-Channel IP Softphone/IP Proprietary Telephone Activation Key |
| IP Telephone KX-NCS4204 | 4-Channel IP Softphone/IP Proprietary Telephone Activation Key |
| IP Telephone KX-NCS4208 | 8-Channel IP Softphone/IP Proprietary Telephone Activation Key |
| IP Telephone KX-NCS4216 | 16-Channel IP Softphone/IP Proprietary Telephone Activation Key |
| IP Telephone KX-NCS4501 | 1-Channel IP Proprietary Telephone Activation Key |
| IP Telephone KX-NCS4504 | 4-Channel IP Proprietary Telephone Activation Key |
| IP Telephone KX-NCS4508 | 8-Channel IP Proprietary Telephone Activation Key |
| IP Telephone KX-NCS4516 | 16-Channel IP Proprietary Telephone Activation Key |
| IP Telephone KX-NCS4701 | 1-Channel SIP Extension Activation Key |
| IP Telephone KX-NCS4704 | 4-Channel SIP Extension Activation Key |
| IP Telephone KX-NCS4708 | 8-Channel SIP Extension Activation Key |
| IP Telephone KX-NCS4716 | 16-Channel SIP Extension Activation Key |
| Communication Assistant KX-NCS2201 | Activation Key for CA PRO for 1 User |
| Communication Assistant KX-NCS2205 | Activation Key for CA PRO for 5 Users |
| Communication Assistant KX-NCS2210 | Activation Key for CA PRO for 10 Users |

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| Communication Assistant KX-NCS2240 | Activation Key for CA PRO for 40 Users |
| Communication Assistant KX-NCS2249 | Activation Key for CA PRO for 128 Users |
| Communication Assistant KX-NCS2301 | Activation Key for CA ACD Monitor for 1 ICD Supervisor |
| Software Upgrading KX-NCS4950 | Activation Key for Software Upgrade to Enhanced Version (Software Upgrade 01) |
| IPCEMPR Optional Cards KX-NS0132 | Stacking Card for KX-TDE/TDA Series |
| IPCEMPR Optional Cards KX-TDE0105 | Memory Expansion Card (IPCMEC) |
| IPCEMPR Optional Cards KX-TDE0110 | 16-Channel VoIP DSP Card (DSP16) |
| IPCEMPR Optional Cards KX-TDE0111 | 64-Channel VoIP DSP Card (DSP64) |
| IPCEMPR Optional Cards KX-TDA0196 | Remote Card (RMT) |
| Optional Shelf Expansion Cards KX-TDA6110 | Bus Master Card (BUS-M) |
| Optional Shelf Expansion Cards KX-TDA6111 | Bus Master Expansion Card (BUS-ME) |
| Expansion Shelf KX-TDE620 | Expansion Shelf |
| Mounting Kit KX-TDA6201 | Mounting Kit for expanding to a 3 or 4-shelf System |
| Physical Trunk Cards KX-TDA0182 | 8-Port DID Card (DID8) |
| Physical Trunk Cards KX-TDA0184 | 8-Port E & M Trunk Card (E&M8) |
| Physical Trunk Cards KX-TDA0187 | T-1 Trunk Card (T1) |
| Physical Trunk Cards KX-TDA0188 | E-1 Trunk Card (E1) |
| Physical Trunk Cards KX-TDA0189 | 8-Port Caller ID/Pay Tone Card (CID/PAY8) |
| Physical Trunk Cards KX-TDA0193 | 8-Port Caller ID Card (CID8) |
| Physical Trunk Cards KX-TDA0284 | 4-Port BRI Card (BRI4) |
| Physical Trunk Cards KX-TDA0288 | 8-Port BRI Card (BRI8) |
| Physical Trunk Cards KX-TDA0290 | PRI Card |
| Physical Trunk Cards KX-TDA0484 | 4-Channel VoIP Gateway Card (IP-GW4E) |
| Physical Trunk Cards KX-TDA0490 | 16-Channel VoIP Gateway Card (IP-GW16) |
| Physical Trunk Cards KX-TDA6181 | 16-Port Analogue Trunk Card (ELCOT16) |
| Physical Extension Cards KX-TDA0143 | 4 Cell Station Interface Card (CSIF4) |
| Physical Extension Cards KX-TDA0144 | 8 Cell Station Interface Card (CSIF8) |
| Physical Extension Cards KX-TDA0170 | 8-Port Digital Hybrid Extension Card (DHLC8) |
| Physical Extension Cards KX-TDA0171 | 8-Port Digital Extension Card (DLC8) |
| Physical Extension Cards KX-TDA0172 | 16-Port Digital Extension Card (DLC16) |
| Physical Extension Cards KX-TDA0173 | 8-Port Single Line Telephone Extension Card (SLC8) |
| Physical Extension Cards KX-TDA0177 | 16-Port Single Line Telephone Extension Card with Caller ID (CSLC16) |
| Physical Extension Cards KX-TDA0470 | 16-Channel VoIP Extension Card (IP-EXT16) |
| Physical Extension Cards KX-TDA6174 | 16-Port Single Line Telephone Extension Card (ESLC16) |
| Physical Extension Cards KX-TDA6175 | 16-Port Single Line Telephone Extension with Message Lamp Card (EMSLC16) |
| Physical Extension Cards KX-TDA6178 | 24-Port Single Line Telephone Extension Card with Caller ID (ECSLC24) |
| Physical Extension Cards KX-TDA6179 | 24-Port Single Line Telephone Extension with Caller ID and Message Lamp Card (EMSLC24) |
| Other Physical Cards KX-TDA0161 | 4-Port Doorphone Card (DPH4) |
| Other Physical Cards KX-TDA0162 | 2-Port Doorphone Card (German Type) (DPH2) |
| Other Physical Cards KX-TDA0164 | 4-Port External Input/Output Card (EIO4) |
| Other Physical Cards KX-TDA0168 | Extension Caller ID Card (EXT-CID) |
| Other Physical Cards KX-TDA0190 | Optional 3-Slot Base Card (OPB3) |
| Other Physical Cards KX-TDA0191 | 4-Channel Message Card (MSG4) |

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| Other Physical Cards KX-TDA0192 | 2-Channel Simplified Voice Message Card (ESVM2) |
| Other Physical Cards KX-TDA0194 | 4-Channel Simplified Voice Message Card (ESVM4) |
| Other Physical Cards KX-TDA6166 | 16-Channel Echo Canceller Card (EECHO16) |
| Power Supply Units (PSUs) KX-TDA0103 | L-Type Power Supply Unit (PSU-L) |
| Power Supply Units (PSUs) KX-TDA0104 | M-Type Power Supply Unit (PSU-M) |
| Absent Message-Extension | 1 x 16 characters |
| Absent Message-System | 8 x 16 characters |
| Call Park Zone | 100 |
| Conference | Yes |
| COS | 64 |
| DID/DDI Table | 32 digits, 1000 entries |
| Extension Number | 1 - 5 digits |
| Extension Personal Identification Number (PIN) | Yes |
| Host PBX Access Code | 10 digits, 10 entries/trunk group |
| Multiple Subscriber Number (MSN) | 10 entries per ISDN-BRI port |
| Number of Characters of Name | 20 |
| Printing Message | 8 |
| Queuing Time Table | 128 |
| Ring Tone Pattern Plan | 8 |
| Simultaneous Programmers | one system programmer + 63 personal programmers, one manager programmer + 63 personal programmers, 64 personal programmers |
| SMDR Call Storage | 1000 calls (20000 calls w/IPCMEC card) |
| Special Carrier Access Code | Yes |
| Tenant | 32 |
| Time Service Holiday | 24 |
| Verification Code | 4 digits, 1000 entries |
| Verification Code Personal Identification Number (PIN) | 10 digits, 1000 entries |
| Emergency Call | Yes |
| Hot Line | Yes |
| Key Pad Protocol Dial (ISDN Service Access) | 32 digits |
| Personal Speed Dialling | 32 digits, 100 entries/extrn. |
| Quick Dialling | Yes |
| Redial | 32 digits |
| System Speed Dialling | 32 digits, 1000 entries/tenant |
| One-Touch Dialling-PT/DSS | 32 digits, 5000 entries/system |
| One-Touch Dialling-PS | 32 digits, 1000 entries/system |
| Conference Group | 8 (8 members/group for Conference Group Mode, 32 members/group for Broadcast Mode) |
| Call Pickup Group | 96 |
| Idle Extension Hunting Group | 128 (16 extensions/group) |
| Incoming Call Distribution Group | 128 (128 extensions/group) |
| Paging Group | 96 |
| PS Ring Group | Yes |
| Trunk Group | 96 |
| VM (DPT) Group | 8 groups x 12 ports (24 channels) |

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| VM (DTMF) Group | 8 groups x 32 channels |
| TRS/Barring Level | 7 |
| TRS/Barring Denied Code | 16 digits, 100 entries/level |
| TRS/Barring Exception Code | 16 digits, 100 entries/level |
| Routing Plan Table | 48 entries |
| Leading Number Table | 16 digits, 1000 entries |
| Leading Number Exception Table | 16 digits, 200 entries |
| ARS Carrier | 48 |
| Itemised Billing Code | 10 digits |
| Authorisation Code for Tenant | 16 digits |
| Authorisation Code for Trunk Group | 10 digits |
| Outgoing Call Log-PT | 100 records/extn. 3200 records/system |
| Outgoing Call Log-PS | 100 records/extn. 2560 records/system |
| Incoming Call Log-PT | 100 records/extn. 6400 records/system |
| Incoming Call Log-PS+Incoming Call Distribution Group | 100 records/extn. or group Total 6400 records/system |
| Message Waiting-PS+Incoming Call Distribution Group | 640 |
| Message Waiting-PT+SLT | 1280 |
| Outgoing Message (OGM) | Yes |
| OGM Total Recording Time | MSG4 Card: 8 minutes; MPR/ESVM2/ESVM4 Card: 20 minutes (at High recording quality) |
| Built-in Simplified Voice Message (SVM) | Yes |
| SVM Total Recording Time | 20, 60, or 120 minutes (depending on the recording quality) |
| Billing Items for Guest Rooms | 4000 records/PBX (8000 records w/IPCMEC card) |
| Hotel Operator | 4 |
| Charge Rate | 7 digits including a decimal |
| Charge Denomination | 3 currency characters/symbols |
| TIE Line Routing and Modification Table | 32 entries |
| Leading Number | 3 digits |
| PBX Code | 7 digits |
| NDSS: Monitored PBXs | 8 |
| NDSS: Registered Extensions for Monitor PBX | 250 |
| PC Console | 8 |
| PC Phone | 128 |
| System Password for Installer | 4 - 10 characters |
| System Password for Administrator-for PC Programming | 4 - 10 characters |
| System Password for User-for PC Programming | 4 - 10 characters |
| System Password for Administrator-for PT Programming | 4 - 10 digits |
| System Password for User-for PT Programming | 4 - 10 digits |
| Manager Password | 4 - 10 digits |
| Installer Level Programmer Code | 4 - 16 characters |
| Administrator Level Programmer Code | 4 - 16 characters |
| User Level Programmer Code | 0 - 16 characters |
| Direct In Line (DIL) | Yes |
| Direct Inward Dialling (DID)/Direct Dialling In (DDI) | Yes |

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| Multiple Subscriber Number (MSN) Ringing Service | Yes |
| Calling Line Identification (CLI) Distribution | Yes |
| Intercept Routing | Yes |
| Intercept Routing-No Destination | Yes |
| Internal Call Block | Yes |
| Ring Tone Pattern Selection | Yes |
| Call Waiting | Yes |
| Idle Extension Hunting | Yes |
| Group Call Distribution | Yes |
| Outside Destinations in Incoming Call Distribution Group | Yes |
| Queuing Feature | Yes |
| VIP Call | Yes |
| Overflow Feature | Yes |
| Log In/Log Out | Yes |
| Supervisory Feature | Yes |
| Call Forwarding (FWD) | Yes |
| Do Not Disturb (DND) | Yes |
| FWD/DND Button, Group FWD Button | Yes |
| Line Preference-Incoming | Yes |
| Call Pickup | Yes |
| Hands-Free Answerback | Yes |
| Predialling | Yes |
| Automatic Extension Release | Yes |
| Intercom Call | Yes |
| Account Code Entry | Yes |
| Dial Type Selection | Yes |
| Reverse Circuit | Yes |
| Trunk Busy Out | Yes |
| Pause Insertion | Yes |
| Host PBX Access Code (Access Code to the Telephone Company from a Host PBX) | Yes |
| Line Preference-Outgoing | Yes |
| Trunk Access | Yes |
| One-Touch Dialling | Yes |
| KX-T7710 One-Touch Dialling | Yes |
| Last Number Redial | Yes |
| Speed Dialling (Personal/System) | Yes |
| Primary Directory Number (PDN)/Secondary Directory Number (SDN) Extension | Yes |
| Automatic Callback Busy (Camp-On) | Yes |
| Executive Busy Override | Yes |
| Call Monitor | Yes |
| Caller Information before Executive Busy Override or Call Monitor | Yes |
| Call Waiting Tone | Yes |
| Off-Hook Call Announcement (OHCA) | Yes |

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| Whisper OHCA | Yes |
| Toll Restriction (TRS)/Call Barring (Barring) | Yes |
| Budget Management | Yes |
| Extension Dial Lock | Yes |
| Dial Tone Transfer | Yes |
| Walking COS | Yes |
| Verification Code Entry | Yes |
| Automatic Route Selection (ARS) | Yes |
| Hands-Free Operation | Yes |
| Off-Hook Monitor | Yes |
| Mute | Yes |
| Headset Operation | Yes |
| Data Line Security | Yes |
| Flash/Recall/Terminate | Yes |
| External Feature Access (EFA) | Yes |
| Trunk Call Limitation | Yes |
| Paralleled Telephone | Yes |
| Calling Party Control (CPC) Signal Detection | Yes |
| Call Transfer | Yes |
| SIP Refer Transfer | Yes |
| Call Hold | Yes |
| Call Park | Yes |
| Call Splitting | Yes |
| Privacy Release | Yes |
| Conference Group Call | Yes |
| Paging | Yes |
| Doorphone Call | Yes |
| Door Open | Yes |
| Trunk Answer From Any Station (TAFAS) | Yes |
| Background Music (BGM) | Yes |
| Direct Inward System Access (DISA) | Yes |
| Automatic Fax Transfer | Yes |
| External Sensor | Yes |
| External Relay Control | Yes |
| Caller ID | Yes |
| Incoming Call Log | Yes |
| Message Waiting | Yes |
| Absent Message | Yes |
| Fixed Buttons | Yes |
| Flexible Buttons | Yes |
| LED Indication | Yes |
| Display Information | Yes |
| Calling/Connected Line Identification Presentation (CLIP/COLP) | Yes |
| Advice of Charge (AOC) | Yes |

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| Call Forwarding (CF)-by ISDN (P-MP) | Yes |
| Call Forwarding (CF)-by ISDN (P-P) | Yes |
| Call Hold (HOLD)-by ISDN | Yes |
| Call Transfer (CT)-by ISDN | Yes |
| Three-Party Conference (3PTY)-by ISDN | Yes |
| Malicious Call Identification (MCID) | Yes |
| Completion of Calls to Busy Subscriber (CCBS) | Yes |
| ISDN Extension | Yes |
| ISDN Service Access by Keypad Protocol | Yes |
| E1 Line Service | Yes |
| T1 Line Service | Yes |
| Voice Mail (VM) Group | Yes |
| Voice Mail DTMF Integration | Yes |
| Voice Mail DPT (Digital) Integration | Yes |
| Portable Station (PS) Connection | Yes |
| PS Directory | Yes |
| PS Feature Buttons | Yes |
| Wireless XDP Parallel Mode | Yes |
| Virtual PS | Yes |
| Station Message Detail Recording (SMDR) | Yes |
| Syslog Record Management | Yes |
| Call Charge Services | Yes |
| Room Status Control | Yes |
| Call Billing for Guest Room | Yes |
| Extension Feature Clear | Yes |
| Walking Extension | Yes |
| Enhanced Walking Extension | Yes |
| Timed Reminder | Yes |
| Dial Tone | Yes |
| Confirmation Tone | Yes |
| Making a TIE Line Call | Yes |
| TIE Line and Trunk Connection | Yes |
| TIE Line Programming | Yes |
| Common Extension Numbering for 2 PBXs | Yes |
| Gateway Groups | Yes |
| Common Extension Numbering for Multiple PBXs | Yes |
| Call Distribution Port Group | Yes |
| ISDN Virtual Private Network (ISDN-VPN) | Yes |
| Calling/Connected Line Identification Presentation (CLIP/COLP) and Calling/Connected Name Identification Presentation (CNIP/CONP)-by QSIG | Yes |
| Call Forwarding (CF)-by QSIG | Yes |
| Call Transfer (CT)-by QSIG | Yes |
| Completion of Calls to Busy Subscriber (CCBS)-by QSIG | Yes |
| Network Direct Station Selection (NDSS) | Yes |

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| Centralised Voice Mail | Yes |
| PS Roaming by Network ICD Group | Yes |
| IP Proprietary Telephone (IP-PT) | Yes |
| SIP (Session Initiation Protocol) Extension | Yes |
| Peer-to-Peer Connection | Yes |
| Self Labelling (KX-NT366/KX-NT560) | Yes |
| Computer Telephony Integration (CTI) | Yes |
| PC Phone/PC Console | Yes |
| CA (Communication Assistant) | Yes |
| Extension Port Configuration | Yes |
| Class of Service (COS) | Yes |
| Group | Yes |
| Tenant Service | Yes |
| Time Service | Yes |
| Operator Features | Yes |
| Manager Features | Yes |
| PC Programming | Yes |
| PT Programming | Yes |
| Password Security | Yes |
| Quick Setup | Yes |
| Automatic Setup | Yes |
| Flexible Numbering/Fixed Numbering | Yes |
| Floating Extension | Yes |
| Software Upgrading | Yes |
| Power Failure Transfer | Yes |
| Power Failure Restart | Yes |
| Local Alarm Information | Yes |
| Simple Network Management Protocol (SNMP) System Monitor | Yes |
| Dynamic Host Configuration Protocol (DHCP) Assignment | Yes |
| Packet INternet Groper (PING) Confirmation | Yes |
| Footnote | *1 When Digital XDP is used. |

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CONTACT

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